

670	27364	92836	09428	61208	74982	36498	32764	81276	01
4986	40932	70987	32123	49817	26346	81287	65491	87364	81
721	75654	55656	12737	72727	72727	91918	63473	67867	70
723	87629	37677	32612	53498	71296	28756	18276	98716	87
7269	76329	74698	76857	98670	27601	56701	57601	73648	15
591	87364	87265	96710	27630	12673	84769	28743	98127	50
58	63298	75698	27465	87326	49876	28376	81273	98615	62
667	87432	74328	78674	29867	32867	67867	86786	43286	432
667	68768	68763	34234	34238	68768	62342	48273	48768	234
936	98432	32432	86743	43286	43286	43286	43286	43286	432
743	86743	86743	39867	32867	86743	43286	43286	43243	867
741	86743	86743	86743	86743	86743	86743	86743	86743	435
543	98798	98754	98754	98754	98754	29867	67543	67986	867
76	87698	69876	87698	69876	87612	12341	34867	86798	632
867	43298	65656	56756	56123	32143	14321	32143	14321	321
71	02787	58765	76587	58765	76587	58765	76587	58756	765
75476	76543	54365	36543	54365	36543	54365	36543	54365	543

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition # 210, March 2015

Editor: Ary Boender email: udxf@udxf.nl

Numbers & Oddities <http://www.numbersoddities.nl>

N&O



UDXF



"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.

Hi folks,

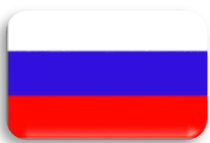
Last month marked the **20th** birthday of N&O. I never thought that I would edit it for such a long time. So, welcome to the first newsletter of volume 21. It is a rainy day and Radio Caroline is playing great rock music in the background, so a perfect day to round-up the column.

As you may have noticed, I haven't updated the N&O website for a while. This is because I had a lot of PC problems. The laptop died, my old desktop crashed 10 times a day and my new desktop has 64bit Windows 8.1 as OS and a number of programs simply do not run on it. I also have problems to get my decoders working on the new PC (they do not pick up any signal). So, I had to spend a lot of time on things going nowhere. The majority of the most used programs are working now but all my radio stuff is still on the old desktop. Anyway, I can now update my websites again and finish N&O, so that's what I'm gonna do first.



I recently visited Hoek van Holland and noticed that the former US relay transmitter site has been restored. It was in a very bad condition a couple of years ago. The site was used to relay traffic from Germany to the USA via the UK. The site was partly built in the late 1950's and in 1967. It was closed after the fall of the Soviet Union. Unfortunately I did not bring my camera so this picture is an old one. I made it in 2010.

VOICE STATIONS



E06

16230 kHz, 19-03, 0600 UTC

864 397 102 76311 78952 62488 68734 54091 23901 95104 09484
36103 82388 02624 87232 49329 89592 37273 19924 41557 52297
47202 94478 53223 76864 60100 03705 95218 26994 15728 27737
49828 97202 77073 08540 37017 12964 74802 90922 13220 93447
64699 28486 94851 37791 02780 77950 23705 20847 67776 30310
16430 09340 85661 52222 65284 34365 35920 36108 82347 81183
44242 82367 04363 82229 91332 62171 00431 24285 92515 34245
49707 05745 27832 14106 81317 04925 27314 19173 93661 45338
41119 38194 95297 68881 49215 98428 34606 52872 90305 29018
10396 31864 14683 43990 80667 10194 90686 93324 11706 76185
19473 55526 34683 53944
00000

5186 kHz, 19-03, 2030 UTC

891 237 20
37839 35787 98273 60187 16202 95625 31691 52538 61025 22567
93296 67423 40968 16891 63781 34820 04842 60491 75924 04594
237 20 00000



E07

7873 kHz, 09-03, 2020 UTC

288 1 830 57
24046 76980 11286 84449 96499 08461 31262 76551 01563 21028
94938 42646 85548 74635 04558 60378 28977 80978 75590 83416
05578 18832 52728 56705 49323 07800 46349 51028 23756 06591
21815 82377 02261 76547 77628 05500 54617 16701 56679 35541
53808 54437 47813 87827 10684 87672 75375 17786 70358 95686
77008 74864 12352 50700 86712 13297 36727
000 000

13439/12139/10739 kHz, 25-03, 1800/1820/1840 UTC

417 1 273 89
13676 13952 34016 99213 84281 65111 79684 02906 24935 74171
31584 79070 46974 79771 68496 97892 33107 64636 70947 50880
05273 48955 23000 13546 35906 87011 97220 98620 57079 03482
20304 42019 12967 27292 22030 30755 63178 34576 23518 78335
44352 00138 00525 69752 73366 62299 75082 71367 22403 47339
72054 38713 03905 66543 90461 72782 02624 48195 88770 89415
49161 54846 38401 91865 23119 65000 87851 63879 33385 71630
88172 38599 90385 23717 50823 37367 53850 97239 90462 09726
19241 68810 12890 58848 32495 53153 13692 82653 83291
000 000



E07a

5877 kHz, 11-03, 2100 UTC

825 1 67178 6120 (7120???) 93
 78727 01611 78454 76246 46122 67770 95490 96790 30797 10440
 34139 95057 52172 95323 35039 21987 01718 54824 06534 83596
 28573 03546 76635 43351 73827 30973 32229 84141 33840 40720
 76836 62290 42029 85076 48193 73253 96542 91796 03009 08503
 64145 36735 09861 34298 92518 72198 88915 02420 99679 83935
 74081 53418 21943 61465 25734 93216 86871 01862 08305 65867
 19714 21521 34226 30803 31904 71463 87401 41455 75061 99543
 84122 91360 04319 91642 20234 48847 04721 54272 54191 52092
 39160 47052 53133 01195 89320 11925 76263 66830 83052 24675
 90704 98889 59704
 000 000

11473/10173/9373 kHz, 13-03, 1610/1630/1650 UTC

413 1 33037 1740 61
 38606 91783 32201 10131 07096 01648 69194 75632 40412 00821
 92569 67275 34212 54339 17300 50576 60911 30701 02484 73584
 35595 17596 63705 51101 43883 78393 55157 63822 21371 63984
 49204 01026 11836 31821 37634 41329 07998 16689 96636 83470
 49408 38892 24510 17509 74837 48240 46574 31725 31246 87500
 80970 00038 50566 78226 07798 50668 92306 00195 92317 59812
 05313
 000 000

6922/9322 kHz, 19-03, 0530/0610 UTC

913 1 38278 487 79
 60350 54561 93087 57592 39234 09480 62345 36568 18805 97689
 48963 07603 23059 90456 32912 39560 33148 57194 75915 71582
 02425 77458 53697 39594 53654 08908 43295 84450 36997 13912
 01016 11048 57313 81323 49144 63797 58116 48180 44031 24629
 96052 71442 87136 66818 71955 94518 49708 76491 18094 26173
 71438 88155 06178 34636 80060 72846 29059 00122 10583 94843
 03384 02831 98462 34280 88774 38470 84998 65046 23205 89365
 05456 28773 13613 18770 53718 94594 13444 54040 71872
 000 000



E11/ E11a

4298/5176 kHz, 02-03, 1905/1925 UTC, logged by Danix

121/25 Attention
 39343 49672 74174 15774 25900 02847 78357 60203 36083 26276
 06671 23833 91996 47172 64248 29634 11663 52207 72221 01497
 08042 41283 21565 83283 22350
 Attention, rpt msg, out

6304 kHz, 09-03, 0450 UTC

416/31 Attention

43998 72653 95603 91810 88183 46503 12125 89129 52822 32260
62275 40661 34608 18277 62447 04401 25608 67782 60447 66702
58452 72116 56310 54418 23933 78983 67309 27073 55902 61108
21300

Attention, rpt msg, out

8102 kHz, 10-03, 1045 UTC

571/35 Attention

61721 81790 37491 69277 60015 94410 43038 32091 65976 34079
36070 20883 74258 42002 64416 95918 00462 54208 22056 78504
30732 65746 62211 67314 09243 13142 18870 95943 09753 35956
96170 58351 45753 83834 83897

Attention, rpt msg, out

10213 kHz, 11-03, 1705 UTC

392/33 Attention

99691 04695 40433 47823 32897 38157 20358 45549 59144 53748
26491 94353 74088 03981 68646 63954 30726 24892 26236 21230
08708 71233 02068 58497 64944 36647 02085 70273 79773 98180
57909 67813 00200

Attention, rpt msg, out

13375 kHz, 13-03, 1110 UTC

952/31 Attention

70685 18053 08220 37794 38754 75983 07707 16556 76853 03688
60599 26905 53778 34435 97724 21009 10011 17795 74427 83285
86124 02395 81372 89678 30328 48239 31216 28407 69663 02933
18403

Attention, rpt msg, out

5194 kHz, 13-03, 1710 UTC

953/21 Attention

71953 23547 09361 97968 58694 00067 00725 75406 49018 20508
57900 70085 53512 66328 32416 35393 65057 10816 25704 82248
71738

Attention, rpt msg, out

9960 kHz, 19-03, 0820 UTC

435/34 Attention

22608 42386 00235 13674 57263 62620 34619 50880 68661 03939
26362 08636 73564 31608 70548 17009 30094 48952 30524 21558
41489 57850 70482 48548 34035 65111 53482 79889 48144 70583
96588 44678 26385 04431

Attention, rpt msg, out

8186 kHz, 21-03, 2005 UTC

367/32 Attention

20095 87561 03907 17434 60478 41434 10977 29646 96321 14632
12030 75909 28558 64227 02608 26641 74331 32242 22476 13210
91127 58326 61199 84195 23022 82280 70910 44175 77600 00195
70625 54930

Attention, rpt msg, out

7449 kHz, 25-03, 1045 UTC

460/30 Attention

72081 94831 88703 90169 46294 03910 84663 86371 12425 54186
73123 89028 12550 94117 08656 11391 47580 34796 65334 43002
12930 64646 22299 14712 69256 64090 30774 02501 29155 84421

Attention, rpt msg, out

10690 kHz, 27-03, 0830 UTC

640/32 Attention

23642 99115 37021 12935 74125 30001 80464 09922 83040 31620
68580 54627 37754 07364 06697 70030 86181 87853 31774 54044
68969 15968 68394 32753 40334 99432 93824 91174 40894 51183
47143 70011

Attention, rpt msg, out

13375 kHz, 27-03, 1110 UTC

956/32 Attention

01817 01046 04747 61491 39669 76453 51030 40030 51146 52922
75501 46470 52258 89912 26259 08681 79175 67456 13802 54668
12425 68188 11570 23868 02671 88576 08552 16617 38978 77825
60684 91719

Attention, rpt msg, out

5194 kHz, 27-03, 1710 UTC

959/25 Attention

41081 52681 96968 09161 34342 45322 31559 36061 36664 06278
98921 62248 55743 39077 03198 68000 98245 35095 17423 89269
51711 65154 83377 50170 71851

Attention, rpt msg, out

11450 kHz, 29-03, 0805 UTC

315/38 Attention

74495 40862 94595 52287 79465 71611 26594 29616 23055 60836
97564 01792 77237 69367 46130 11579 82454 19898 34665 61513
78939 75843 76279 10828 40792 72495 76231 11798 05479 93618
95560 81275 96557 94849 48275 00854 43854 18809

Attention, rpt msg, out

13455 kHz, 03-03, 1810 UTC

983/10 Attention 20912 08011 05373 15938 84050 71457 60067 44413 63553 40951 Attention, rpt msg, out

13375 kHz, 07-03, 1400 UTC

986/10 Attention 12948 55395 92786 49472 28698 69574 55126 53815 31057 09060 Attention, rpt msg, out

10213 kHz, 10-03, 0530 UTC

980/10 Attention 58755 11740 45551 97056 98215 70144 44669 79603 51046 70094 Attention, rpt msg, out

13375 kHz, 10-03, 1400 UTC

981/10 Attention 64719 73327 01906 90798 00482 87201 52818 98129 15600 82679 Attention, rpt msg, out

13455 kHz, 21-03, 1810 UTC

980/10 Attention 72332 86189 88502 49290 34736 48152 62248 01993 36388 20503 Attention, rpt msg, out

13375 kHz, 31-03, 1400 UTC

982/10 Attention 14591 21505 49049 76970 45547 79459 06020 23317 60884 85066 Attention, rpt msg, out

13455 kHz, 31-03, 1810 UTC

983/10 Attention 80758 25470 32730 27155 47046 15482 45670 23425 88509 67588 Attention, rpt msg, out



G06

5442 kHz, 13-03/27-03, 1930UTC

947 215 20

06132 75514 79681 94217 21443 31441 81797 17512 62689 33103

48930 93432 25719 93628 48683 18809 85052 49870 63962 04884

215 20 00000



S06

6793 kHz, 03-03, 1735 UTC

480 359 41

37428 93523 64082 66656 82322 41345 47287 45244 79990 55125

53932 84261 81065 15116 11647 59750 38171 67320 81254 14907

93502 03509 36186 95310 79960 07326 52160 18011 51109 63456

71343 84626 12319 77855 15874 69732 20702 50068 21427 56804

68700

359 41 00000

19415/16268 kHz, 13-03, 0830/0930 UTC

842 750 38

40711 84898 31813 62793 57395 42116 15307 09389 46458 20100

29795 10834 29448 67672 99833 67121 67437 70750 32714 78264

65323 32123 11113 76268 15022 08362 71377 85334 61076 52295

09653 21218 20341 34485 83019 65682 58449 42145

750 38 00000

15721 kHz, 19-03, 0400 UTC

480 197 60

10572 33796 49720 46629 34044 92632 53902 30727 36400 43341

50042 64152 65879 96142 09331 78318 31861 34523 07184 15217

43890 79144 86539 62668 81675 06543 95089 59200 13216 08544

26115 16988 03267 03339 17621 36300 79327 34164 89474 09893

47334 16508 23199 40770 74243 19798 14144 21775 79701 94491

50704 50418 03984 80516 00274 77415 44391 58001 06627 12341

197 60 00000

16268 kHz, 26-03, 0930 UTC / 19415 kHz, 27-03, 0830 UTC

842 379 40

93145 62855 14584 11905 30796 06130 09492 96209 86599 83804

27393 14497 27701 66449 70326 97931 89780 06747 48167 03185

67691 11460 32206 49097 42530 95527 19384 06569 74824 66728

49343 52603 18508 14343 41511 24449 35397 00264 44387 34787

379 40 00000



S11a

7317 kHz, 17-03, 0915 UTC

487/37 Vnimanie

72272 95160 29482 79925 22857 75113 29584 41185 97130 37735

36013 40011 37827 11466 28691 35567 43283 63088 08824 54903

68159 38514 20396 44786 86018 81423 70451 82453 43274 57369

45303 55334 74730 96155 57404 48140 51922

Vnimanie, rpt msg, konec



S28 - The Buzzer

Mode: USB

Frequency: 4625 kHz

05-03, 0955 UTC

MDZhB 80 570 FYeSTUKA 9590 7817

05-03, 0955 UTC

MDZhB 80 570 FYeSTUKA 9590 7817

15-03, 1413 UTC

Generator breakdown

16-03, 0600 UTC

Generator breakdown

20-03, 1359 UTC

MDZhB PYeNSION 31 34

21-03, 0606 UTC

Buzzer breakdown. Another transmitter can be heard weak on background

24-03, 1226 UTC

MDZhB 83 911 VIRALA 3271 0473

24-03, 1434 UTC

MDZhB 91 442 LIPUNYeC 5708 7747

26-03, 0748 UTC

MDZhB 90 368 GIPNOMYeTR 8232 7858

26-03, 0750 UTC

MDZhB 74 402 DIPsOMANIYa 0251 1149

26-03, 0834 UTC

MDZhB 46 810 DIPLODOK 3549 1818

26-03, 1207 UTC

MDZhB 21 648 BIPLANOVYJ 9185 0266



S30 - The Pip

Modes: CW (Pip), USB (messages)

Frequencies: 3756 kHz (night), 5448 kHz (day)

3756 kHz, 01-03, 0422 UTC

Z'1B CI9V ZhSK4 HZ5T 5FSShch 8MUO TUZR 5J7Shch DMC3 49FT

3756 kHz, 01-03, 1812 UTC

YMA5 VTH3 AGDT 'U1B OSOG BO6C F56Shch 9GSA ZhBZU 4RVZ

5448 kHz, 03-03, 0828 UTC

5FSShch 8MUO TUZR 5J7Shch DMC3 49FT C2ZA INNC ShchGJP TZLM

5448 kHz, 03-03, 1239 UTC

FY5E F61N Z7CN MUDR 7VNShch Zh7NZh YMA5 VTH3 AGDT 'U1B

3756 kHz, 04-03, 1848 UTC

L7O5 V'Z' NLCE LI27 V2MZ SB7Z 'O6P Y8VM 6I2Zh

3756 kHz, 08-03, 1704 UTC

DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI' TShchShchS VKY1

5448 kHz, 09-03, 0841 UTC

Y8VM 6I2Zh 8CShchJ 27Shch' N1DU 53OB 78MV DEAY JH'J 12CI

3756 kHz, 10-03, 1827 UTC

BO6C F56Shch 9GSA ZhBZI 4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR

3756 kHz, 11-03, 1813 UTC

N1DU 53OB 78MV DEAY JH'J 12CI 79AJ ShchT3O CIHS Z7PM

5448 kHz, 12-03, 0459 UTC

S7ZhG Z'1B CI9V ZhSK4 HZ5T 5FSShch 8MUO TUZR 5J7Shch DMC3

5448 kHz, 13-03, 0445 UTC

4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI'

3756 kHz, 14-03, 1616 UTC

8S1Shch 71 404 UHOZh' 8327 2076

3756 kHz, 14-03, 1841 UTC

TZLM FY5E F61N 37CN MUDR 7VNShch Zh7NZh YMA5 VTH3 AGDT

3756 kHz, 15-03, 1806 UTC

HCLF 61HZh ZBIL L7O5 V'Z' NLCE LI27 V2MZ B7Z 'O6P

5448 kHz, 16-03, 0459 UTC

Y8MV 6I2Zh 8CShch' 27Shch' N1DU 53OB 78MV DEAY JH'J 12CI

3756 kHz, 19-03, 1816 UTC

4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI'

3756 kHz, 19-03, 1816 UTC

4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI'

5448 kHz, 20-03, 1400 UTC

8S1Shch

3756 kHz, 20-03, 1728 UTC

JH'J 12CI 79AJ ShchT3O CIHS Z7PM S7ZhG Z'1B CI9V ZhSK4

5448 kHz, 21-03, 1520 UTC TZLM FY5E F61N Z7CN MUDR 7VNSHch Zh7NZh YMA5 VTH3 AGDT
3756 kHz, 21-03, 1600 UTC ZhD9V 'O6P 80 851 74 564 15 660 UARRA 3069 5838
3756 kHz, 21-03, 1837 UTC 'U1B OSOG BO6C F56Shch 9GSA ZhBZI 4RVZ 3VS' DKJ1 ZhD9V
5448 kHz, 22-03, 0437 UTC 42BV 81BR M7KS PMV5 L'GJ KZI' TShchShchS VKY1 HCLF 61HZh
3756 kHz, 22-03, 1946 UTC 8CSHchJ 27Shch' N1DU 53OB 78MV DEAY JH'J 12CI 79AJ ShchT3O
3756 kHz, 23-03, 0250 UTC 49FT 42BV 81BR 61 487 29 105 89 390 KUTROVIK 0610 7553 SOKOLIK 5908 8282
3756 kHz, 23-03, 0257 UTC 49FT 42BV 81BR 61 121 74 398 34 589 SUNNA 2805 2137 LISIJ 9215 4321
5448 kHz, 23-03, 1458 UTC 49FT 42BV 81BR 31 681 86 508 28 007 BYeNUE 8125 7783
3756 kHz, 23-03, 1848 UTC MUDR 7VNSHch Zh7NZh YMA5 VTH3 AGDT 'U1B OSOG BO6C F56Shch
3756 kHz, 24-03, 1837 UTC LI27 V2MZ SB7Z 'O6P Y8MV 6I2Zh 8CSHch' 27Shch' N1DU 53OB
3756 kHz, 24-03, 1837 UTC LI27 V2MZ SB7Z 'O6P Y8MV 6I2Zh 8CSHch' 27Shch' N1DU 53OB
3756 kHz, 25-03, 0400 UTC 8S1Shch NYeVYLAZNYJ 58 98
3756 kHz, 25-03, 1756 UTC CI9V ZhSK4 HZ5T 5FSShch 8MUO TUZR 5J7Shch DMC3 49FT C2ZA
3756 kHz, 25-03, 2020 UTC INNC ShchGJP TZLM FY5E F61N 37CN MUDR 7VNSHch Zh7NZh YMA5
3756 kHz, 26-03, 1618 UTC DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI' TShchShchS VKY1
3756 kHz, 26-03, 1659 UTC 'O6P ZhD9V H6HZ 50 582 38 019 55 239 MYeZOKAIN 0918 4884
3756 kHz, 26-03, 1907 UTC HCLF 61HZh ZBIL L7O5 V'Z' NLCE LI27 V2MZ SB7Z 'O6P
5448 kHz, 27-03, 0428 UTC 8S1Shch TURNIRNYJ 09 70
5448 kHz, 28-03, 1440 UTC 8S1Shch 82 266 73 730 01 046 SONURA 2290 3941
3756 kHz, 30-03, 1840 UTC 4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI'



S32 - Squeaky Wheel

Mode: USB

Frequencies: 3838 kHz (night), 5473 kHz (day)

3828 kHz, 04-03, 1856 UTC SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27
5473 kHz, 05-03, 1409 UTC PYeNZhA-07 KURGAN-40 DUBLYoR-68 SLUZhBA-32 PENZA-07 KOVBOJ-39 RUZh'E-26 BIZON-64
PYeSOChNYJ-21 ShULER-60 ALEUT-09
3828 kHz, 10-03, 1548 UTC ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 STOROZh-62
3828 kHz, 11-03, 1615 UTC ALFA-45 67 941 PALACO 6489 7464
3828 kHz, 13-03, 0301 UTC ALFA-45 38 295 VYROZhDYeNIYe 6874 1464
3828 kHz, 13-03, 1646 UTC ALFA-45 72 920 DICIAN 3120 4501
3828 kHz, 14-03, 1619 UTC ALFA-45 00 483 ORBYeNIN 3690 6729
3828 kHz, 14-03, 1726 UTC ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34
3828 kHz, 15-03, 2015 UTC SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 BIZON-64 KOVBOJ-39
3828 kHz, 16-03, 1548 UTC RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07
3828 kHz, 16-03, 1803 UTC ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 KURGAN-40 DUBLYoR-68 SLUZhBA-32
3828 kHz, 17-03, 1748 UTC ALFA-45 25 694 75 027 RAZDVOYeNIYe 4374 8754
3828 kHz, 18-03, 1959 UTC ALFA-45 25 694 75 027 RAZDVOYeNIYe 4374 8754
3828 kHz, 19-03, 1953 UTC SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 STOROZh-62 NYeVKA-26
KARTA-11 UTyoS-94 KOVBOJ-39
3838 kHz, 10-03, 1548 UTC ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 STOROZh-62
3828 kHz, 10-03, 1605 UTC ALFA-45 67 941 PALACO 6489 7464
3828 kHz, 13-03, 0301 UTC ALFA-45 38 295 VYROZhDYeNIYe 6874 1464
3828 kHz, 13-03, 1646 UTC ALFA-45 72 920 DICIAN 3120 4501
3828 kHz, 14-03, 1619 UTC ALFA-45 00 483 ORBYeNIN 3690 6729
3828 kHz, 14-03, 1726 UTC ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34
3828 kHz, 15-03, 2015 UTC SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 BIZON-64 KOVBOJ-39
3828 kHz, 16-03, 1548 UTC RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07
3828 kHz, 16-03, 1803 UTC ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 KURGAN-40 DUBLYoR-68 SLUZhBA-32
3828 kHz, 18-03, 1748 UTC ALFA-45 25 694 75 027 RAZDVOYeNIYe 4374 8754
3828 kHz, 18-03, 1959 UTC ALFA-45 25 694 75 027 RAZDVOYeNIYe 4374 8754
3828 kHz, 19-03, 1953 UTC SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 STOROZh-62 NYeVKA-26 KARTA-11
UTyoS-94 KOVBOJ-39
3828 kHz, 20-03, 1811 UTC ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 KURGAN-40 DUBLYoR-68 ShTUKA-32
3828 kHz, 21-03, 0436 UTC ALFA-45 52 589 DUNST 9987 0220
3828 kHz, 23-03, 0349 UTC ALFA-45 88 250 BIZUN 8398 4938
3828 kHz, 23-03, 0353 UTC ALFA-45 82 934 ESTADIL 2875 8905

3828 kHz, 23-03, 0358 UTC ALFA-45 36 250 MIRCYeN 9045 2927
 3828 kHz, 23-03, 1957 UTC SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 ROSA-64 DZhIGIT-46 OTPOR-89
 YaHTA-94 FONTAN-34
 3838 kHz, 25-03, 0407 UTC ALFA-45 NYeVYLAZNYJ 58 98
 3838 kHz, 25-03, 1838 UTC ALFA-45 13 277 80 520 54 108 RYeVYeNNYJ 1153 2248
 3838 kHz, 25-03, 1905 UTC ALFA-45 12 482 17 096 38 547 FOTOSINTYeZ 0368 5823
 3838 kHz, 25-03, 2008 UTC ALFA-45 79 993 94 838 13 890 VODOPRYeL' 8730 1915
 3838 kHz, 26-03, 0752 UTC ALFA-45 53 857 BRIDYeLKA 4019 2802
 3828 kHz, 27-03, 0434 UTC ALFA-45 TURNIRNYJ 09 70
 3828 kHz, 30-03, 1747 UTC RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07



S5292

Frequency: 5252 kHz USB

01-03, 0922 UTC FAZAN-37 36 982 BIOLOG 4326 9675
 03-03, 1056 UTC SYeKRYeT-39 95 783 VYeLIKAN 5805 6379
 03-03, 1112 UTC RYeGATA-75 18 409 UDVOITYeL' 5327 8652
 03-03, 1124 UTC TRYeL'-31 37 043 FAZYeNDA 1825 5648
 03-03, 1138 UTC FAZAN-37 38 471 USILIYe 2425 7579
 05-03, 0859 UTC PILOT-04 48 675 SMORODINA 3125 8587
 05-03, 0928 UTC VIZIR-21 38 596 ZNAKOMSTVO 1120 7474
 05-03, 1000 UTC TRYeL'-31 38 573 UKRASHYeNIYe 5374 9648
 07-03, 0958 UTC TRYeL'-31 50 684 ZAKAZChIK 6367 8589
 07-03, 1014 UTC BOYeC-43 37 442 LYeTOPIS' 3124 5680
 09-03, 1613 UTC FAZAN-37 98 673 DYeRYeVYeN'KA 1634 9685
 09-03, 1627 UTC FAZAN-37 39 867 LYeGYeNDA 4362 8546
 10-03, 1658 UTC FAZAN-37 57 493 VOLYNKA 2436 3352
 10-03, 1906 UTC 1 2 3 4 5 6 7 8 9
 11-03, 0728 UTC SYeKRYeT-39 48 675 SMORODINA 3125 8587
 11-03, 0738 UTC RYeGATA-75 38 596 ZNAKOMSTVO 1120 7474
 11-03, 0748 UTC VIZIR-21 38 573 URKASHYeNIYe 5374 9648
 11-03, 0758 UTC TRYeL'-31 50 684 ZAKAZChIK 6367 8589
 11-03, 0807 UTC FAZAN-37 37 442 LYeTOPIS' 3124 5680
 13-03, 0741 UTC RYeGATA-75 35 482 POLOZhYeNIYe 3632 8589
 13-03, 0751 UTC SYeKRYeT-39 11 923 KUVShINKA 4568 9765
 13-03, 0801 UTC TRYeL'-31 36 982 BIOLOG 4326 9675
 13-03, 0811 UTC RYeGATA-75 19 364 POChYeRK 3476 8976
 13-03, 0824 UTC FAZAN-37 63 789 ZAPYeVNYJ 2346 8948
 14-03, 1838 UTC 1 2 3 4 5 6 7 8 9 10
 16-03, 1405 UTC 1 2 3
 20-03, 0804 UTC FAZAN-37 44 058 HRIZOLIT 4326 1127
 20-03, 0813 UTC PILOT-04 48 576 PRIKAZChIK 4275 0734 counting before the signal
 20-03, 0841 UTC TRYeL'-31 06 873 NYeZABUDKA 1426 8463
 20-03, 0843 UTC SYeKRYeT-39 48 967 OTKOS 1852 1835 error on the first read
 20-03, 0853 UTC RYeGATA-75 31 037 NOVOBRANYeC 2115 8457
 22-03, 1658 UTC FAZAN-37 19 732 ZNAKOMYJ 6385 8477 counting before the signal
 24-03, 0850 UTC FAZAN-37 28 472 ShARMANKA 3846 8563 counting before the signal
 24-03, 0859 UTC SYeKRYeT-39 38 642 ISPYTANIYe 4811 0995 counting before the signal
 24-03, 0929 UTC VIZIR-21 23 934 USTROJSTVO 1537 7537 counting before the signal
 24-03, 0932 UTC RYeGATA-75 95 834 OB'YaSNYeNIYE 2532 7754 counting before the signal
 24-03, 1025 UTC BARZHA-08 09 339 ZRYeLISHYe 2213 7474 with matrix printer printing on background
 24-03, 1029 UTC TRYeL'-31 89 394 PRIZNANIYe 4357 8553
 24-03, 1039 UTC BOYeC-43 95 783 VYeLIKAN 5805 6379
 25-03, 1439 UTC RUDA-15 11 209 RITOR 6473 9863
 26-03, 1208 UTC SYeKRYeT-39 19 345 UGLOBUL'B 3728 3883
 26-03, 1224 UTC FAZAN-37 89 902 BUTAFOR 3728 9743

Channel marker

During the first part of March the station was sending its usual unstable "B" marker, On 10 March they started to use a buzzer marker. This is a faster version of the S28 buzzer. You can find a recording on the N&O website.

10-03	Buzzer marker, later back to "B" and "D"
13-03, 2150 UTC	Strings of random nature, even with one dash followed by up to eight dots
14-03, 2159 UTC	Buzzer-marker
15-03, 0758 UTC	Buzzer-marker
16-03, 1738 UTC	Buzzer-marker
17-03, 1733 UTC	Noisy carrier, no marker
18-03	No marker heard
19-03	No marker heard
20-03	No marker heard
21-03, 1803 UTC	Buzzer-marker
22-03, 1646 UTC	Buzzer-marker
22-03, 1851 UTC	Buzzer-marker
25-03, 2122 UTC	Buzzer-marker
26-03, 1740 UTC	Buzzer-marker
26-03, 2058 UTC	Buzzer-marker
27-03, 1707 UTC	Buzzer-marker
29-03, 2200 UTC	Buzzer-marker
30-03, 1943 UTC	No marker heard



V02a

Dirección General de Inteligencia

V02a appeared two times in March. An error ??? Probably as M08a was on the same freq at the same time during its normal sked. Both were copied by Don Schimmel.

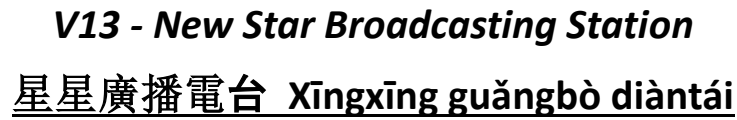
8135 kHz, 20-3, 2300 UTC	YL/SS w/5F groups mixing with M08a
8009 kHz, 23-3, 2259 UTC	YL/SS with 5FGs mixing with M08a: UAGGA WUNAA RIWUN



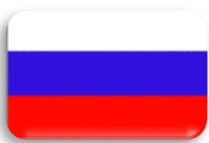
V07

18074/15874/14374 kHz, 08-03, 0100/0120/0140 UTC

883 1 238 73
74302 15423 02238 97405 95210 23421 91990 10031 55237 07013
38377 82515 48547 45443 10195 12911 81903 83291 43919 55921
14173 40775 38904 18174 97000 57939 43319 29953 85587 98301
49053 70812 94533 03728 23130 71558 13511 79313 98331 17453
93727 73347 12227 52735 13394 58729 57084 51433 91244 23420
39473 84315 72775 12247 73351 17050 73083 01130 37537 25315
53239 32314 74057 39399 73314 79378 28318 70784 03200 34038
42247 31833 97302
000 000



MORSE STATIONS



MX

Russian Military beacons

Current cluster frequencies:

3594, 4558, 5154, 7039, 8495, 10872, 13528, 16332, 20048 kHz

Other frequencies:

L 6917.5, 8497.8 kHz

V 3658, 4150, 6809, 6928, 7027.5 kHz

R 5466 kHz

W, R, N, G, C, K, Z, L, V, Ü 5620, 5835, 8112, 8162 kHz (Tu-Bear net)

Cluster beacon slots:

.7 "D", Sevastopol

.8 "P", Kaliningrad

.9 "S", Severomorsk

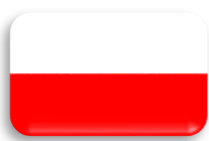
.0 "C", Moscow

.1 "A", Astrakhan

.2 "F", Vladivostok

.3 "K", Petropavlovsk Kamchatskiy

.4 "M", Magadan



M03

13911 kHz, 20-03, 1420 UTC

870/37 =

24707 79274 10513 65298 39086 19391 89837 47827 72702 47532

59368 94766 45217 18121 93831 25061 94920 89369 35194 98520

06499 67094 97672 52090 61581 77877 10414 37522 35517 61760

56088 30455 90377 12293 27554 96868 04962

= 870/37 = rpt msg = 000



M08a

Dirección General de Inteligencia

8096 kHz, 17-3, 1411 UTC

8135 kHz, 20-3, 2300 UTC

8009 kHz, 23-3, 2259 UTC

8096 kHz, 27-3, 1407 UTC

8135 kHz, 27-3, 2305 UTC

8096 kHz, 29-3, 1402 UTC

7554 kHz, 29-3, 2011 UTC

8096 kHz, 30-3, 1401 UTC

Cuban cut nbrs. No callup, went into text

V02a mixing with M08a

Callup UAGGA WUNAA RIWUN mixing with V02a

No callup, into text

No callup, into txt

RIGMT ANDUW (only two addresses)

RIGMT ANDUW (only two addresses)

Just one addressee: GNDIN



M14

18041kHz, 25-03, 0500 UTC

952 104 60 =

18346 74943 04946 85770 47581 88268 90817 28841 78892 61635
 26762 79389 52252 63824 76277 27940 40379 33994 87975 56581
 63922 01336 12565 17656 53608 39578 94150 84019 10306 11049
 09297 38069 18935 79977 02269 91739 17166 99719 89915 54631
 04831 03593 34605 92476 05004 54021 08679 43126 12679 29656
 98837 82242 9.977 55187 23905 55884 07836 03504 64419 22173
 = 104 60 00000



M89

Chinese military

Stations and strings:

V A7TR A7TR A7TR DE DI9Q DI9Q	V S2LZ S2LZ S2LZ DE YBA6YBA6
V 5RAB 5RAB 5RAB DE M9AB M9AB	V SR3H SR3H SR3H DE FGH8 FGH8
V 7NPE 7NPE 7NPE DE QV5B QV5B	V SXL6 SXL6 SXL6 de 9QFZ 9QFZ
V 6TRW 6TRW 6TRW DE J9NS J9NS	V TKLO TKLO THLO DE TYUI TYUI
V 7NPE 7NPE 7NPE DE QV5R QV5R (faulty transmission)	V TY9D TY9D TY9D DE EOX2 EPX2
V 8CPZ 8CPZ 8CPZ DE XW6W XW6W	V VTX7 VTX7 VTX7 DE TZ7B TZ7B
V 8DKB 8DKB 8DKB DE ODY8 ODY8	V VXL1 VXL1 VXL1 DE XIW2 XIW2
V 8PEX 8PEX 8PEX DE TI5F TI5F	V WZG6 WZG6 WZG6 DE 4VTG 4VTG
V BNGC BNGC BNGC DE XSV85 XSV85	V YUQW YUQW YUOQ DE ASDF ASDF
V BIQ9 BIQ9 BIQ9 DE ISL2 ISL2	V ZRM7 ZRM7 ZRM7 DE LCM0 LCM0
V BRH0 BRH0 BRH0 DE 8NGG 8NGG	V N4FM5 N4FM5 N4FM5 DE DUT491 DUT491
V B9SR B9SR B9SR DE AL6R AL6R	V Q5U8 Q5U8 Q5U8 DE 8QPP 8QPP
V CQ CQ CQ DE DP91 DP91	V QHV8 QHV8 QHV8 de 8QPP 8QPP
V CQ CQ CQ DE DP0491 DP4091	VVV Q2M Q2M Q2M DE NYZ NYZ
V DKG6 DKG6 DKG6 DE 3A7D 3A7D	V DKSL DKSL DKSL DE ALSK ALSK
V DKSL DKSL DKSL DE ALSK ALSK	V 3A3J 3A3J 3A3J DE B4ZJ B4ZJ
V DP9J DP9J DP9J DE CQ CQ	V HER6 HER6 HER6 DE WU6L WU6L
V EI0B EI0B EI0B DE JHG2 JHG2	V BR3S BR3S BR3S DE JU9D JU9D
V GKLO GKLO GKLO DE TYUI TYUI	
V GKN7 GKN7 HKN7 DE F3J5 F3J5	IHWX DE VNVF
V H2FL H2FL H2FL DE DRV8 DRV8	CJDJ DE E2DT
V JKDJ JKDJ JKDJ DE SLBC SLBC	HKIB DE O8HK
V M8JF M8JF M8JF DE RIS9 RIS9	
V MW3D MW3D MW3D DE 2SLC 2SLC	
V N4FM5 N4FM5 N4FM5 DE NAT491 NAT491	
V PGG9 PGG9 PGG9 DE MI6Y MI6Y	
V RA5J RA5J RA5J DE BP2S BP2S	
V RXP7 RXP7 RXP7 DE CZT2 CZT2	

Messages:

4678 kHz, 01-03, 1244 UTC

IEC IEC = 1405 AR (Normally associated with exercise)
IEC = 1405
HR IDR MSG GA PSE PY
R QSA 2 HR MSG GA PSE CY
MSG NR 01

4532 kHz, 02-03, 1106 UTC

III = AAAN UA5T .DU7 .A53 4D7. .TD4 7A5. 75T. NNNN (Cont'd)
III = BBA7 UTD7 74T4 63U7 T4.D A4A5 657. U.4T NNNN TTDD (Cont'd)
III = 44TA T6T5 37UA 44DN TA77 5AA7 U37D 5T7. NNNN TTTN (Cont'd)
III = U3U4 5.A5 NNNN TTTA
III = 56TU T3UN ADUN .3N5 3AA4 T377 D.A7 ..5T NNNN TTAU (Cont'd)
III =..... D536 4N67 UN36 5A44 U5TA 6T64 A5U3 NNNN TTAU (Cont'd)
AR

5678 kHz, 02-03, 1609 UTC

05 05 05
HR NR ..35 CK QS. QAL 0006 K HR NR 1RIIIII
NR 8A4T . ISMH. = =
DT7T 7347 54T5 5ADA (Cont'd)
NA VV T7N7 A534 7546 6A6. (Cont'd)
05 05 05
O5654. 3 NAT65 N3A 64TD.... K

7706 kHz, 03-03, 1155 UTC

IHWX DE VNVF K
HR MSG GA K
GA
AS AS
= = NR 0001 CK 60 24 0303 1655 AR
= (Sends the letter O for zero)
NR 0001 CY EEEE CKD CK 60 24 0303 1655 AR
CY HW ?
RPT ...
CY HW ?
RPT TIME
RPT TIME
10NEEEE 1655 1655
RPT TIME
1655 1955 1955
R OK GA
RMKS PSE GA
RMKS GA RMKS GA
RPT
RMKS GA
MSG GA
OK OK
= =
T554 3NAU U3A4 37A6 64A3 U5DT UD3A UD4A U536 647A (Cont'd)
CY HW ?
OK OK OK
= UDNA UN45 (Cont'd)

8888 kHz, 03-03, 0104 UTC

6A7N 7N3U .5A 6D4N 6T5D 7A3U
IIII = 5U6A 7N3T 4D3U 4N.. 6D7A (Cont'd)
III = 3T4A .U6D 7N5U 6T4N 7A3D 6T3D 4A7. 5U3N 6U7D (Cont'd)
AR

9131 kHz, 03-03, 0129 UTC

FM 824 0824 01 FM 299509824 540824 7689 AR
QSL ? 7301 II = 901 1. EEEE QSL ? HR WK NR 11

8073 kHz, 02-03, 1141 UTC

NR 194 CK 189 35 0302 1542 =
TTU 3U6 I ? 3AN 3U7 TAU
773 TA7
773 TU4
773 353 35N 4T4 NN3 446 3D3 33N N3D 4A7 NN3 445 3DU 4DT 4D3 TAD
773 353 363 4A7 NN3 435 3DT TTU 4DT 4D3 TAN
773 TUT
773 TU3
773 353 363 4T6 NN3 445 3DU 4DT 4DD TUA
773 TUU
773 TUU
773 356 4A7 NN3 445 3DU 4DT 4DD TU5
773 356 4T4 NN3 446 3D3 4DT 4D6 TU6
773 TU7
773 T3U N34. 3773 356 4T4 NN3 445 3DU4 DT4DN T3TN34T3A
773 356 4T4 NN3 435 3DT TTU ? 4DT 4D6 TUN
773 356 4T4 III NN3 446 3D3 33N NN3 D4T 4NN 344 53D U4D T4D 63U DTA
U
773 TA7
773 357 E7U 4T3 NN3 446 467 4DT 4D6 TAD
773 TU4
773 ..7 363 4A7 NN3 44. 3DU 335 N3D 4T3 NN3 446 3D3 4DT 4D6 TU5
773 356 4T3 NN3 446 3D3 4DT 4D6 476 3UN TAU
773 357 4T3 NN3 447 46D 3D5 4DT 4.6 TA7
773 TU4
773 TU5
773 357 4T3 NN3 446 467 3D4 4DT 4D6 TAD
773 357 4T3 NN3 44T 3D3 4DT 4D6
734 N4 73.. AR (1152z)
7G AGN NR 0194 CK 189 35 0302 1542 =
TTU 3U6 3AN 3U7 TAU
773 TA7
773 TU4
773 353 35N 4T4 NN3 446 3D3 33N N3D 4A7 NN3 445 3DU 4DT 4D3 TAD
773 353 363 4A7 NN3 4? 435 3DT TTU 4DT 4D3 TAN
773 TUT
773 TU3 A?
773 3.3E 6 3.. NN3 445 3DU 4DT 4DD TUT
773 356 4A7 NN3 445 3DU 4DT 4T6 TU5
773 356 4T4 NN3 446 3D3 4DT 4.6 TU6
773 TU7
773 T3U N34 T33
773 356 4T4 NN3 7? 445 3DU 4DT 4D6 T3T N34 T3A
773 356 4T4 NN3 435 .DT TTU .DT 4D6 TUN
773 356 4T4 III (1158z)
III = =
NN3 446 3D3 33N N3D 46T NN3 445 3DU 4DT 4D6 3UD TAU
773 TA7
773 357 37U 46T NN3 446 467 4DT 4D6 TAA ? . 7
773 TU4
773 357 363 4A7 NN3 T? NN3 445 3.U 335 N3D 4T3 NN3 446 3? 4DT 4DT
TU5
773 356 46T NN3 446 3D3 4DT 4D6 476 3UN TAU
773 357 46T NN3 447 46D 3D5 4DT 4D6 TA7
773 K? 4
773 TU5
773 357 46T NN3 446 367 3D4 4DT 4D6 KD
773 457 4T3 NN3 446 3D3 .DT 4D6
734 N3N ? N47 3. AR AR (1202z)
AHR N AS R 7G
AS AS 7G NR 0195 CK 22 35 0302 1548 =
TT. = =
T3N N5U TTU N53 444? N53 TAD N54 7TT TT5 746 7T5 77T 6TN 7AA 7U4
U6D U5U 766 T7 7U5 7AD NV? N47 3AN AR AR
AGN AGN NR 0195 CK 22 35 0302 1548 = =
TT3 N5U TTU N53 TAD N54 7TT TT5 7? 746 7T5 77. 6TN 7AA 7U4 U6D U5U
7T5 6T7 7U5 7AD N47 3AN AR AR

9131 kHz, 03-03, 0030 UTC

75598 FM 376668247..9 9EEEE =
9. FM 3 FM FM 8240.5824...298EEEE =
94 FM 3FM FM 82...5..402FM 2981098247..
AR QSL HR WK NR 11
HR SVC GA
HR SVC GA NR 35 0830 RMKS 7549 TO 7749/7569 =
SVC QRW 569 QWQ .. 88EEEE
= SVC QRW ..9 QRW L8 7749 1.00 COMM 2459 AR
AGN
NR 35 08 RMKS 7549 TO 7749/7569 =
SVC QRW .. QRW LZ. 749 1000 COMM 24.. FM
SVC QRW 79 FM 501 III 028.9 000 94 FM 3 FM F 24.9 QAL ? HR WK NR AR
EEEE
HR WK NR 1^E

3336 kHz, 04-03, 2226 UTC

RPT .7W = .UT6A UT6A AR K (
RPT K
RPT K
RPT 42W = A7D6 A7D6 AR
OK
SK GB

5152 kHz, 04-03, 1051 UTC

64D3 UA5T 4UAN (Cont'd)
III III III III ? D4D4T N64 7042 N5A6 (Cont'd)
FM .. O 940 D. 39994 =
A657 6U54 357T 4T.3 ... (Cont'd)
AR CY OK ?

5323 kHz, 04-03, 1104 UTC

N HR NR VEEEE RHR NR 46 K
SK
64.. R R
DE 8JUS R QSA 2 QSA ? K
R HR WK NR 43 K
R HR WK NR 43 K
R SK SK

5332 kHz, 04-03, 1110 UTC, i.p.

QSA ? K
R HR 3DSEEEE R HR WK NR 36 K
R NIL T EEEE R NIL SK

6838 kHz, 04-03, 1025 UTC

DTT4 7NDA TU54 N454 N765 (Cont'd)
AR
2P GA = =
N5DN T7T3 ATAD TAA5 4D64 UN7D (Cont'd)
AR
3P GA = =
TNTN U3DU 65U7 4N5. (Cont'd)
AR AR = =
5DUN D65A N563 T33U 4TAA (Cont'd)
III AR

5644 kHz, 05-03, 1345 UTC

VVV HR SVC GA
NR 020 2145 RMKS 74EEEE RMKS 7549 TO 2481/7545 =
COMM/2200/LZ389 B9/7549/2481 AR AGN
NR 020 2145 RMKS 7549 TO 2481/7545 =
COMM/2200/LZ389 B9/7549/2481 AR
QSL? HR WK NR 31

6320 kHz, 06-03, 1323 UTC

4WG = DA5U 5W = U34 UU4 A3N AR
OK = 4U6NA TUTTA 65OU35TND A44 AR W..
O = 4U647 ATNT3 6ODADA5U5TUA7A3U AR
GB
W
CQ CQ
OK = 4UT4D DAATA 5T 5ATD55T5 K 5UT ATD ATT AD6 AR
= 4UAND DTUTU 3T5TT645AA6D 65DA5A A43 A53 AR W
GA
NO OK II 2KG6 S.VA
JR
05 GA
5EE
05 05 05
= D = = 4UAND DTUTU 3T5TT 645AA 6D65D A5AA43A53 AR
4W GA = 645AT6D65D A5AA43 A53 AR
K (Other station also on this frequency)

6666 kHz, 06-03, 0237 UTC

RR F NR 21/EX 1034 RMKS 0276 TO 4221 =
BC5A/AC66 AR =
BC5A /AC66 AR K
NR QSL 1036 K (other station also on this frequency)
R R UU E GA K
F NR 20/EX 1038 RMKS 4221 TO 0276 =
BC5A/EEEEEE
F NR 20/EX 10EEEE
F NR 20/EX 1038 RMKS 4221 TO 0276 =
ACB6/BC5A AR =
ACB6/BC5A AR K
R R R QSL 1039 K
N R R R HR EEEEE R HR MSG GA K
N GA K (0237z)
MSG NR 45/CCK CK 65 89 0306 1040 RMKS 0276 TO 4221 K
N GA K
R R R = =
7T7N UD43 N3UN 673U 5DDA 3456 U47A D7DA TA6A TTA3 73A5 A35T 5U37
4753 (Cont'd)
AR
NR RPT 1W K
R R AGN K
RRPT 1W K
R RPT 1W = = 7T7N 7T7N AR K
R QS R RPT CLS K
R R R R TP CLS = = DNDN EEEEE TA NR RRPT CLS RPT CLS = = 89 K
R QSL 1046 K
R R R R U MSG GA K
7G NR 45/CCK 65 89 0306 1EEEEEE
7G NR 45/CCK M EEEE
7G NR 45CEEEEE
7G NR 45/CCK CK 65 89 0306 1040 RMKS 04EEEEEE
7G NR 45/CCK CK 65 89 0306 1040 RMMEEEEEE
7G NR 45/CDEEEEEEE
7G K EEEEEEE
7G NR 45/CCK CK 65 89 0306 1040 RMKS 4221 TO 0276 K (0249z)
R R GA K
= = (Other station repeats message sent by other station)
7T7N UD43 N3UN 673U 5DDA 3456 U47A D7DA TA6A TTA3 73A5 A35T 5U3?
5U37 4753 5TNT (Cont'd)
ND7N 5A7D NTAN TDUD 3A74 DU7N UADT 3DT3 3D37 DU6T NTAN DAND AR
K (0253z)
R R R QSL 1052 K
N R R SK GB
N SK

8888 kHz, 06-03, 1112 UTC

34NA U5TT ADN5 3UDN 5773 (Cont'd)
III = 34UN T5U6 4744 D555 A44T (Cont'd)
III = 6D3N AR

8073 kHz, 06-03, 1136 UTC

VVV BNGC (X3) DE XSV85 (x2)
HR 7G GA PSE CY
NR NR 0203 CK 197 35 0306 1611 = =
TT6 3U6 3AN 3U7 ..
773 K7773
773 357 356 404 NN3 446 3D3 (Cont'd)

4371 kHz, 07-03, 1449 UTC

73NT 7A45 36A4 A734 4T6D (Cont'd)
AR QSL ? K
N QSL 2250 QSL 2250 K
U MSG GA K
N MSG NR 3069 CK 100 29 0307 2240 RMKS 1675456 TO 1675453 =
43NA 54ND U7DT 5DNA AUDN 53AD 4D7T 7DUN 3TUA 5U3D (Cont'd)
AR K
N QSL 2255 QSL 2255 K
N U MSG GA K
N MSG NR 6615 CK 100 34 0307 2240 RMKS 1675453 TO 1675456 =
56AN 7TA3 456T A56N (Cont'd)
AR QSL ? K
N QSL 2300 QSL 2300 K
N U MSG GA K
N MSG NR 3070 CK 100 34 0307 2240 RMKS 1675456 TO 1675453 =
MSG NR 3070 CK 100 34 0307 2240 RMKS 1675456 TO 1675453 =
.DNA 75DN N5.U 475N NTDA (Cont'd)
AR K
N QSL 2305 K QSL 2305 K
N U MSG GA K
N MSG NR 6616 CK 100 14 0307 2240 RMKS 1675453 TO 1675456 =
NA73 UT3D A3UT UN67 (Cont'd)
AR QSL ? K (1511z)
N QSL 2310 QSL EEEEEEE QSL 230EEEEEE
QSL 2310 QSL 2310 K
N U MSG GA K
N MSG NR 3071 CK 100 .4 0307 2240 RMKS 1675456 TO 1675453 =
D765 463U N73U D7A3 U54N ND34 DTAN U5D6 AN54 543D (Cont'd)
AR K (1517z)
N QSL 2316 QSL 2316 K
N OK N OK SK SK SK
SK

8073 kHz, 07-03, 1132 UTC (Carrier on frequency – tuning up – 1132z)
V BNGC (x3) DE XSV85 (x2)
HR MSG GA
MSG GA NR NR 020 55
NR NR 0205 CK 234 35 0307 1643 = =
TT7 3U6 3AN 3U7 TAU
773 357 35N 4T4 NN3 446 467 3D3 33N N3D 4T4 NN3 435 3DT TTU 4DT 4D3 TA7
773 357 35D 4A7 NN3 435 466 3DT TTU 33N N3D 4T4 NN3 435 3DU 4DT 4D3 TAD
773 357 35D 4A7 NN3 435 3DU 4DT 4D3 TAN
773 TU3
773 353 35N 4A7 NN3 445 3DU 4DT 4DD TUT
773 353 363 4T3 NN3 434 3DT TTA N34 TTA ND4 TT5 4DT 4DD TUA
773 TUU
773 356 4T6 NN3 434 3DT TTA N34 TTA N64 TT5 4DT 4D6 TU4
773 353 4T4 NN3 435 .DT IIII = TTU 4DT 4D6 TU5
773 356 IAU ? 4A7 NN3 446 3D3 33N N3D 4A7 NN3 435 466 3DT T....
773 TU7
773 TUN N34 T33
773 356 4T4 NN3 4? 445 3DU 4DT 4D6 3UD TAU
773 357 37U 4T4 NN3 435 3DT TTU 34T N3D 4T3 NN3 447 3D4 4DT 4D6 TA7
773 357 .5N 4A7 NN3 445 3DU

64568527 kHz, 08-03, 0159 UTC

CQ (x3) DE DP91 (x2) V
E A CQ DP91
CQ (x3) DE DP91 (x2) V
PSE PSE ALL LL LL TO TO HR HR
PSE PSE ALL ALL LL LL TO TO HR HR
PSE ALL LL TO HR

8073 kHz, 08-03, 1132 UTC Carrier on frequency – tuning up – 1132z)

VVV BNGC (x3) DE XSV85 (x2) (Cont'd)
HR MSG SG PSE CY
NR 0208 CK 307 35 0308 15 2080 EE
NR 0208 CK 30 7 35 0308 1551 =
TTD 3U6 ? 3U6 3AN 3U7 TAU
773 357 37A 4T3 NN3 445 3DU 34T 6.D 4T3 NN3 446 467 A? 3D3 4DT 4D6
TA7
773 357 35? 35D 4T6 NN3 445 3DU 4? 34U N3D 4T3 NN3 435 466 ? 466 3DT
TTA ? TTU 4DT 4D3 KD
773 KN?
773 TUT
773 TU3
773 353 363 4T6 NN3 434 3DT TTA N34 TTA ND4 TT5 4DT 4DD TUA
773 TUU
773 TU6
773 35U 4T6 NN3 434 3DT TTA N34 TTA ND4 TT5 4DT 4D6 TA? TU4
773 TU5
773 356 4A7 NN3 445 3DU 4DT 4D6 TU7
773 TUN N34 T33
773 356 4T4 NN3 445 3DU III = ? 4DT ? 4D6 3UD TAU
773 357 37A 4T3 NN3 447 46D 3D4 335 N3D 3D5 .DT 4D6 TA7
773 357 37? 37A 4T.? NN3 435 46? 466 3DT TTU 345 N3D 4T3 NN3 447 F6D
3D4 4DT 4D6 KN ?
773 357 35N 37A 4A7 NN3 435 3DU ? 346 N3D 4T4 NN3 436 467 3D4 4DT
4D3 TAN
773 TU3
773 357 363 37A 4T6 NN3 434 3DT TTA N34 TTA ND4 TT5 33N N3D 4T4 NN3
446 3D3 4DT 4DD TUU
773 TU6
773 35. 4T6 NN3 434 3DT TKN 34T TA ND4 TT5 335 N3D 4T4 NN3 435 466
3DT TTU = 4DT 4D6 TU4
773 TU5
773 357 37A 4A7 NN3 435 3DU 345 N3D 4T3 NN3 436 467 3D4 4DT 4D3 TUN
773 356 4T3 NN3 435 466 3DU 335 N3D 3D3 4DT 4D6 476 3UN TAU
773 TA7
773 TU4
773 TU5
773 353 4T3 NN3 447 46D 3D5 4DT 4D6 TAD
773 357 4T4 NN3 447 3D5 4DT 4D6 TAN
773 TU3
773 TU6
773 357 37U 4A7 NN3 436 467 335 N3D 4A7 NN3 T46 3D4 4DT 4D6 TUU
773 TUN
773 353 4T3 NN3 435 466 3D3 4DT 4D6 T3T
773 T3U
773 353 4T4 NN3 = 435 466 3DT TTU 4DT 4D. 476 AR AR (1206z)
AHR MSG GA
NR 0209 CK 4U 35 03 08 155
NR 0209 CK 42 35
NR 0209 CK 42 35 0308 1553 =
TT3 N5U TTD N53 TAD N54 7TT TTA 746 7T5
77T 6T6 4TA N7D N35 7T5 4TN NAN 74D 33U
34U N3U 7A5 777 TAU 773 TA7 773 TAD 773
TAN 773 TU3 773 TU4 773 TU5 773 N47 3AN
7U5 AR AR

4340 kHz, 09-03, 1325 UTC

= 9973 AR K
WK NR AREEEEE R HR WK NR 27 K
R OK
E E R K1YX K1YX DE OESF OESF QSA 1 QSA ? K
R QSA 1 K
R RPT K
R OK K
R AS
R K1YX K1YX DE PR1V PR1V QSA 2 QSEEEE K (1331z)
R K1YX K1YX DE PR1V PR1V K
R R K
OK K

7511 kHz, 09-03, 1111 UTC

TU43 74UU .U64 TD76 TA7A DD4U
AR
= 345 AR
= 345... QPUVPV ATUAT Q34 =
05 05 05 (Cont'd)
76 DNAA N4NA N33A N5A TN3U 6TUA .NDD3 AT43
TU34 U33344343375UUN6NAT64ATD7A
TUTT T3 TUT4T3E3TV.33N3N335TU35T333NA66T5U5N.76T3.TD3TD7A
77 A. AUN3N6T5TUN4D3 N5 N3 NA435T.5UDAT EEEEE

4608 kHz, 10-03, 1442 UTC

DU6U 5543 NNA3 A6AA 7UNU UU3A (Cont'd)
AR
QSL 2235 K
R GA
... MSG NR .. CK 12.. 030... (Mostly unreadable)
R QSL 2245 K
GA K AS
FF E GA K
NR 45/EX 0? 2246 K = =
7/3 = = 7/3 T
OK
QSL 22.7 K
R GA
FF NR
R GA
R R QSL 2242 K
R SK GB SK GB
VVV

4623 kHz, 10-03, 1503 UTC

QRQ GA
YR MSG AL GA
EUX EIX 3433 (
333 456678TTTTN 9 AR AR AR
//DN = = = = =
MSG NR 123. CK 100 29 0310 2240 RMKS 4537457 TO 4537854 =
7D54 DE =
AU.. 4 DU5 U4DUU T5 DU5 AR (1507z)
AR AR K AU34 7D54 6NU4 UN74 3TA7 U4DT ANUT (Cont'd)
FF SB SB SB SB SB SB SB SB (Cont'd)
UI UIS UIS
.. TO UPSE CY HW ? K
BOZ BOZ AFTER JIN. JINTIAN BEI LIAN ZHANG FA XIAN LE (Plain text???)

5749 kHz, 10-03, 1704 UTC

3765 DA3T DUAN UD47 67UD 7DA5 (Cont'd)
AR QSL ? K
R RPT 15W K. R RPT 15W AUT7 AUT7 K
R RPT 24W K. R RPT 24W 46T4 46T4 K (Cont'd repeat groups)
R HR QSC EEEEE R HR QSY NR 44 K
R HR QSY NR 44 K. R HR QSY TO NR 44 K
R K R E
R QSA 1 U QSY NR EEEEE
R QSA A EEEEE
R HR QSA 1 QSY NR 22 K. R HR QSA 1 U QSY
R QSA 1 U K EEEEE
R EEE R H R R
R HR QSA 1 U QSY EEEEE R HR QSA 1 U QSY NR 22 E
R IUKJ DE YFP4 R QSA 2 QSA ? K (
R RRPT 4OIEEEEE
R RPT 48W K. R RPT 65W K (Cont'd request repeat groups)
R QSL 0124 K
R HR 7G GA
7G NR 046 CK 99 98 0311 0100 WEEEE 8396 TO 8167 =
UA6T TDA7 4AD4 U3A3 3D4A 3D65 DT5U TAUN 34AT 3TDA (Cont'd)

8073 kHz, 09-03, 1140 UTC

VVV BNGC (x3) DE XSV85 (x2)
HR MSG GA PSE CY
NR 0212 CK 337 35 0309 1555 =
TTN 3U6 3AN 3U7 TAU
773 357 37A 4T3 NN3 447 46D 3D5 4DT 4D6 TA7
773 357 37A 4T3 NN3 447 46D 3D4 4DT 4D6 TAD
773 357 35N 37A 4A7 NN3 435 3DU 346 N3D 4T4 NN3 436 467 3D4 4DT 4D3 TAN
773 TU3
773 357 363 37A 4T6 NN3 434 3DT TTA N34 TTA ND4 TT5 33N N3D 4T4 NN3 446
3D3 4DT 4DD TUT
773 357 363 4. NN3 445 3DU 4DT 4D3 TUA
773 357 4T6 NN3 445 3DU 4DT 4D3 TUU
773 TA6
773 35U 4T6 NN3 434 3DT TTA N34 TTA ND4 III = TT5 335 N3D 4T6 NN3 435 4D6
3DT TTU 4DT ... TU4
773 TU5
773 357 37A 4A7 NN3 435 3DU 346 N3D 4T3 NN3 447 46D 3D5 4DT 4D3 TU7
773 TUN
773 356 4T3 NN3 435 466 3DU 335 N3D 3D3 4DT 4D6 TUT
773 T3U
773 355 4T3 NN3 435 3DT TTU 4DT 4D6 T3A
773 T33
773 355 4T3 NN3 445 3DU 4DT 4D6 3UD TAU
773 TA7
773 TU4
773 TU5
773 353 4T3 NN3 447 46D 3D5 4DT 4D6 TAD
773 357 4T4 NN3 447 3D5 4DT 4D6 TAN
773 TU3
773 357 37. 4T3 NN3 436 467 3D4 4DT 4D6 TUT
773 356 4T6 NN3 445 3DU 4DT 4D6 TUA
773 356 4A7 NN3 445 3DU 4DT 4D6 TUU
773 TUN
773 353 4T3 NN3 435 466 3D3 4DT 4D6 TU6
773 TU7
773 T3A
773 T33
773 353 4T3 NN3 445 3DU 4DT 4D6 T3T
773 T3U
773 353 4T4 NN3 435 466 3DT TTU 4DT 4D6 3UN TAU
773 TA7
773 TAD
773 357 37A 4XNN3 446 467 3D4 4DT 4D6 TAN
773 TUT
773 TU3
773 357 37A 4TU NN3 436 467 3D4 335 N3D 4.. NN3 436 3D3 III = 4DT 4D6 TUU
773 TU6
773 356 4.. C3 446 3DT TTU 4DT 4D6 TU4
773 .5773 335
737A 4T3 C3436 467 3D5 4.. 4D6 .N
773 353 4T3 NN3 446 3D3 4DT 4DT 476 AR AR
A HR MSG GA (1159z)
NR 0213 CK 40
NR 0213 CK 40 35 0309 1602 =
TT3 N5U TTN N53 TAD N54 7TT TT3 746 7T4 (Cont'd)
AR AR AR

9393 kHz, 10-03, 0938 UTC

QSA 1 IEC 4560 K
RPT (Other station also on this frequency) RPT K
QSA 1 IEC 4560 K
.. AR K
N SRM IEEEE SR HR MSG GA CY
MSG NR 039 CK 99 36 0310 1730 RMKS 5087 TO 5326 =
ADUN N7D3 D63T 45TD D7NU AUTN A45T N43D 6AD3 3UAN 43DN (Cont'd -
Machine sent - 0941z)
AR K
N AS K

5751 kHz, 10-03, 1443 UTC

N53U N755 75UN 7D43 A4UN 35UD
AR QSL ? K
QSY 2245 QSY 2245 K
R OK GA K
MSG GA
MSG NR 42 EEE
NR 4771 CK 100 29 0310 I240 RMKS 4537451 TO 4537452 =
... UD33 NU.. (Fading)
AR K
R QSL 2252 2252 K
R GA
R MSG GA
NR 7775 CK 100 34 0310 2240 RMKS 4537452 TO 4537451 =
3AND 3D4A A3TU 367D 3DU4 UT.6 AD73 (Cont'd)
AR QSL ? K
QSY 2257 QSY 2257 K
GA
MSG NR RMKS 4537451 TO 4537452 = (Fading badly)

10210 kHz, 10-03, 0150 UTC

R RPT 43W K. R RPT 43W K
R RPT 44W K
R RPT 51W K
R RPT 52W K
R RPT 62W K. R RPT 62W K
R RPT 65W K. R RPT 65W K
R RPT 72W K
R RPT 74W K
R RPT 77W K
R RPT 88W TO 91W K
R QSL 0956 HR WK NR 09 K
N QSL 0956 HR WK NR 09 K
R OK SK

10728 kHz, 10-03, 0203 UTC

AR K (4FGs cut numbers)
R GA K
R RPT 71W K
R RPT 71W K
R QSL 0010 K K
..67 K
HR NR 103 K
R NIL SK GB GB

10947 kHz, 10-03, 0042 UTC

V DKSL DKSL DKSL DE ALSK ALSK
HR SVC GA
NR 55 0830 RMKS 7549 TO 2836/2839 = COMM /.. 984 A9/7540/2836 AR
AGN
NR 55 08 30 RMKS 7549 TO 2836/2839 = COMM/091./LZ984A9/7540/2836
AR
QSL ? HR WK NR 27
V DKSL DKSL DKSL DE ALSK ALSK
VVV HR SVC GA
NR 10RMEEEEEE VVVV HR SVC GA
NR 10 0845 RMKS 7549 TO 7560 2830 2910 7520 =
SVC QRW 7569 2839 2919 QRW L16 0930 KP 7540 AR
AGN
NR 10 0845 RMKS 7549 TO 7560 2830 2910 7520 =
SVC QRW 7569 2839 2919 QRW L16 0930 K 7540 AR
QSL ? HR WK NR 27
V DKSL DKSL DKSL DE ALSK ALSK

5374 kHz, 12-03, 1024 UTC

U56D A4DN 47AD 6NU5 3AN6 (Cont'd)
III III = =
7AD5 DN4U D734 A57D NUD5 UTD3 N743 T3N4 7DA5 6D54 (Cont'd)
AR

3777//4532 kHz, 11-03, 1835 UTC

V M8JF M8JF M8JF DE RIS9 RIS9
3TUU 46U4 54D4 77DD (Cont'd)
III = D46U 736T 374. ...4 3DU6 4T6N D6A7 A75T NNNN TTA7 (Cont'd)
III = 4A3D AT57 .33 6A5U 3U.6 74UA 456T 7465 NNNN TTAD (Cont'd)
III = ..N6 5NAU A33. DDT. A7DT 46NN 5DU4 TU55 NNNN TTTA (Cont'd)
III = 7TDA U3.. 555T T4U5 7N3 3UN6 3T7T AT4D NNNN TTUT (Cont'd)
III = AN53 43T4 445N AN77 TTA3 5 74A3 N73D DAT3 NNNN TTUA (Cont'd)
III = T5U. 3TDD A7TT 5NU7 54D5 N3.A 5476 NNNN TTUU (Cont'd)
III = TT.. U4T5 A33T AUTA 53AN TT65 N.33. NNNN TTU3 (Cont'd)
AR
V M8JF M8JF M8JF DE RIS9 RIS9

3777 kHz, 12-03, 1730 UTC

UGT COMM = 874/6004/6545/03/13/0235/559/A/59/93 AR (x3)
CQ TT/CQ MSG NR 18050 CK 1499 46 0313 0230 RMKS CQ =
DT33 DTA6 6TAU UT.U 66.A 35N7 4633 UD5A NNNN TT63 (Cont'd)
III = AADT DAUU AU76 AAU4 ANT3 A67D U74D 5DNU NNNN TT64 (Cont'd)
III = T536 73N5 UA64 534A 3D76 4U46 6754 AU44 NNNN TT65 (Cont'd)
III = NTNN DA46 743D 764T T43T T64D 3T5U U63U NNNN TT66 (Cont'd)
III = 3T6U D63U DDU7 5T67 D5UN 3UA4 55N7 53UD NNNN TT67 (Cont'd)
III = A3UA A65N NUTA T43A D36N T7U7 U735 N33D NNNN TT6D (Cont'd)
III = 7AN6 6U66 743U 7UD3 NT5N UNUU UTT3 3T47 NNNN TT6N (Cont'd)
III = T747 74T. 3U43 5657 TTA6 T4DD 43AT 5654 NNNN TT7T (Cont'd)
III = D467 7U7D 3ANU 5AN3 7N5N A6A4 D63A N7D5 NNNN TT7A (Cont'd)
III = 4NT5 633A 3NUU NN6U 5DU7 DD3A 63TT A653 NNNN TT7U (Cont'd)
III = D3DD 3T4D 545N 434D AA5D U54D 5N4A A47N NNNN TT73 (Cont'd)
III = 47N5 5ANU 6476 3547 3634 34DU 3U35 T754 NNNN TT74 (Cont'd)
III = U3D5 DAN5 5TD5 UT76 674U 734A U5U4 U5D5 NNNN TT75 (Cont'd)
III = 43DN 5663 N67U 35N5 TD5N 46U7 5N46D 6NND NNNN TT76 (Cont'd)
III = 4UN3 AANA 53A5 4N64 U5N3 336D N754 7TTN NNNN TT77 (Cont'd)
AR
CQ TT /CQ MSG NR 18051 CK 1499 46 0313 0430 RMKS CQ =
U36A 3T5U 46T3 U5UD 6NDT 7A3N 3U76 565U NNNN TT7D (Cont'd)
III = D373 T63N 4NNT TNU4 .5T. T6DU TNN3 47UA NNNN TT7N (Cont'd)

5478 kHz, 12-03,1327 UTC

D643 DD43 7453 DD64 (Cont'd)
PSE BGBB B GB
RR OK NIL SK E. .. 9ILSK
OK XJH4 RNR M.
NR 996 RKR OK NIL SK PSE
= HEE = = 43DD 43D 643 D... (Cont'd)
R OK N = 5.. = 574 5T? 533 5N.U NTSE NT64 UUDNT 73U
STATT3A33T5T3TTTA
05 03 TTTA 4A6U N5A6 3N7U 5T64
HR WK NR 906 .. NIL SK
PSE PSE GB
H H H H EEEE EEEEEEEEEEE EEEE H H H
AS ...73DD43 44437455N EEEEEEEEEEEEEEEEE

5749 kHz, 12-03, 0109 UTC

RPT ... K
R RPT 99W TTUD TTUD K (Both stations on this frequency)
R QSL .0722 ... R QSL 9... K
R OK U 7G GA
R MSG GA
MSG NR 0.2 CK .. 98 0312 190. =
547T 4DT. 5... (Cont'd)
AR QSL ? K (0114z)
R RPT 8W K (Cont'd repeat groups)
R QSL 0920 HR WK NR 0028 K
HR WK NR ... K
R HR NIL VA
R HR NIL SK

5225 kHz, 13-03, 0215 UTC

NR 0029 CK 1379 62 0312 2028 = 1P GA =
U47A TUUT TTT 4... ADNA D663 667A 3AAU 3ANT D465 (Cont'd)

3777 kHz, 13-03, 1247 UTC

V M8JF (x3) DE RIS9 (x2)
CQ TT/CQ MSG NR 18054 CK 999 46 0313 20 RMKS CQ =
AN43 557A 7NAU 6A77 D7AU 4TUN DAU3 D6U7 NNNN TTAU (Cont'd)
III = 774A AD37 77D7 6T44 TN3T NAT4 DN.. UD7D NNNN TTA3 (Cont'd)
III = T4N4 TTNT AUAU A77. UD45 D76D UDD4 35DU NNNN TTA4 (Cont'd)
III = 5A4T 4D47 NT3N 3TAT 5D5A 4474 NNUT A7D7 NNNN TTA5 (Cont'd)
III = AN7T N4N6 DAA4 73U4 5NU3 53.5 T7N5 A46T NNNN TTA6 (Cont'd)
III = U3DD NNUA N7NU ...6 T774 TUDD A36U 4NA7 NNNN TTA7 (Cont'd)
III = 3UD4 UUAU TDA5 U.6T D667 73A5 75T7 ..5A NNNN TTA. (Cont'd)
III = 54.D ADTU 4474 7NAD 5475 5UDT TA3A U333 NNNN TTAN (Cont'd)
III = D65D 6N6N A3A. 76UT 7556 D754 T66D 4DAT NNNN TTUT (Cont'd)
AR

3777 kHz, 13-03, 1538 UTC

CQ TT/CQ MSG NR 18055 CK 2699 46 0314 .000 RMKS CQ =
ND5. N45N 6D53 3TTU UDUU 7DT4 6653 3N45 NNNN TTUA (Cont'd)
III = UD7A U64N NAAT 636D N734 NU4A DN65 U335 NNNN TTUU (Cont'd)
III = AD5N N47T 7AA5 3T73 DNAT T557 7747 DA53 NNNN TTU3 (Cont'd)

8073 kHz, 13-03, 1145 UTC

III 773 TAD
773 TAN
773 TUT
773 TU3
773 3.3 3T6 34T ..NN3 445 3DU 4DT 4DT 475 3UN TUT
773 453 35N 4T7 N34 453 DU3 3NN 3D4 T7N N3 435 4DU 53D TTU 4DT
4D3734 N4 73UD III (Cont'd)

3642 kHz, 15-03, 1503 UTC

VV HR SVC GA NR 047 002 EEE
NR 047 0030 RMKS 6437 TO 6430 8920 87.. 0 6450 =
SVC QRW 8917 8.17 6457 QRW L160200 KP 8347 AR QSL ? HR WK NR 230

3777 kHz, 16-03, 1203 UTC

5NT6 T7.U 43A (Cont'd)
III = A3U6 DD64 7ADA 3UA4 6NUA A46N 6N4D NTUU NNNN TTT3 (Cont'd)
III = 3N44 4UD7 D3AA 7T7D N3U A47T DUTT D5NT NNNN TTT4 (Cont'd)
III = UT7A 57AA A7TD D4U3 AAU4 ATNN TD.. 5T.. NNNN TTT. (Cont'd)
III = 4D67 A.76 ..T7 .T3N T43T TU44 .66D .6A. NNNN TTT6 (Cont'd)
AR

6796 kHz, 16-03, 0333 UTC

3746 4T3N 6TA3 ANTU A4ND D634
III QSL ? K
T54D 473N 6N4A U5TN 4UD7 UA6D (Cont'd)
FM 63DA T4A6 N63U 53TN 56N3 TU73 U7T3 NA57 A7UN
QSL ? K

6958 kHz, 16-03, 0340 UTC

U7T3 ATN6 NT34 4TUA (Cont'd)
AR QSL ? K
QSL ? K
NU GA GA K

3330 kHz, 19-03, 1628 UTC

VVV MSG NR 077 CK 301 44 0320 0030 =
A.D3 NDA7 AT5N 5TDU 744 UDN5 43AT UAD6 TT64 TTTA (Cont'd)
III BT AU4T A4T3 UN.4 AT64 DT35 3N6D N4T7 37DT TTT6 (Cont'd)
AR
MSG NR 077 CK 301 44 0320 0030 =
.UD3 NDA7 AT5N 5TDU UDN5 43AT UAD6 TT64 TTTA (Cont'd)
AR

7777 kHz, 13-03, 1131 UTC

NR 01/EX 1910 RMKS 3477 TO 0276 ==
LPP0/SZZ3EEEE K K EEEE R R
FF NR 01/EX 1935 RMKS 3477 TO 0276 ==
LPP0/SZZ3 AR ==
LPP0/SZZ3 AR K (1135z)
NR QSL 1937EEEEEE R QSL 1937 K K
NR QSL 1937 K K
R R HR 7G GA K
NR GA K
NR EEEEE R R R EEE R R AGN K
NR HR FF GA K HR FF GA K NR GA K
NR FF NR 04/EX 1937 RMKS 0276 TO 3477 ==
LP2N/IO2K AR =
LP2N/IO2K AR K
NR NR QSL 1940 K
NR NR SK SK NR SK

3777 kHz, 17-03, 1140 UTC

CQ MSG NR 18071 CK .99 46 0317 2005 RMKS CQ =
DN3D 35DU U7NA 5676 ..TU AAUA U7.. TD64 NNNN TT6T (Cont'd)
III = TUNT 7566 7673 AT4U D4AT ANT6 3337 343D NNNN TT6A (Cont'd)

6688 kHz, 18-03, 0832 UTC

R RPT 2P 90W
AGN R RPT 2P 92W K
QSL 1630 K
R R HR NR 21 K
HR NR 35 K
R SK SK

6996 kHz, 16-03, 0949 UTC

R GA
MSG NR 1111 CK
MSG NR MSG NR MSG CC NR MSG NR = MSG NR MSG NR == ==
NR 11.. KP .K KPP CLS NIL HR Q GA CLS CK CK RW..A APW TM TT PU DV
CCPP ..

5555 kHz, 19-03, 1701 UTC

05 05 05
IM 3J457 DNA/3 E E W3345
7DNAWU345
7DNAUU3 3457 DNTTU34 5
7DNA UW334
7DNA UIMST5
7DNA U344445
7DNA U345
7NDA U345
7DNA (1701z)
7DN3 45
7DNA / = =
5NU6N5 UTTA3 U .5N7.
7DT3 6A7U4A
7DA3 4N56D 6U3DT
7DNA U.3345
7DNA D3 W345DNAU345
7DN 6T734 AUD 65
7N3A TD 6NU5
.457 DN 63AND4. N76
75A5NTA U33T TA3U6U4D
7UDN 5T
764D35 6T\734AUT 65
7N3ATD 6NU5 T7AU 5DNU 467A4D3T43 N5
T753 AUN6 A4UAD3DN345T67
7T6A 45N7 ND3U
T5435TA A7ETU64DUN 653UND56 43N7 76TD 43L5A
7DA. D7NT 5U3JA
63TU ND5643N7 76TT (Cont'd)

3777//4532 kHz, 20-03, 1830 UTC

UA47 73N3 7T34 NN.A AU6U A53A (Cont'd)
III = ... N.UT 66 775 54AN TU7A .353 U5N. 3N5. NNNN TT45 (Cont'd)
III = T775 D4A3 D54. NA.A DN3. 6T56 .D36 NDD. NNNN TT4. (Cont'd)
III = 665D ..T5 ND55 3AA. AN.5 UAD3 AUDD AU55 NNNN TT47 (Cont'd)
AR

8888 kHz, 20-03, 1006 UTC

DTUN 345D T6A3 7U45 63UD (Cont'd)
AR AR
VV = =
KZS Q MVEH QIFT PVCR OLAYADX FOWYNZSBE RTPIJULQ
PGUW QVD. KTHJ FVER YNZO UGYP JHFX LFP
ME QXFA OBYN SDZ..

3777//4532 kHz, 23-03, 2053 UTC

III = 4TD4 3D66 U3A7 7DT7 464T 577T T3AD 63ND NNNN TTDN (Cont'd)
III = T433 .765 4DA5 74A4 5N55 5T3D 4NUU 43AU NNNN TTNT (Cont'd)
III = 4N66 7DNU 56T5 744T 34T4 6D33 T3N4 77N3 NNNN TTNA (Cont'd)
III = T754 677D 7DA4 333T UDD6 T4N5 A3UA N3TT NNNN TTNU (Cont'd)
III = 3DT3 UNT5 65T5 D743 D76A NTN5 A466 NA3U NNNN TTN3 (Cont'd)
III = N7TN AU4D .4N5 57.N 7T4 7DA4 U3UU 47DA NNNN TTN4 (Cont'd)
III = DU64 55TN U37A 4UUN 4UND T7T5 4333 A64T NNNN TTN5 (Cont'd)
III = 7643 5N5A 7473 T3D. D776 DU3A 33TA 5ND6 NNNN TTN6 (Cont'd)
III = A76U AAA4 3T37 U477 3TND 6T4D T774 3337 NNNN TTN7 (Cont'd)

3777 kHz, 24-03, 1952 UTC

III = N6T7 U33D 3DDT4 UU67 A3NA D475 6554 DN75 NNNN TT6N (Cont'd)
III = D75T 3T6U UD5N ND7U TDN4 A53A T.7T 7T5U NNNN TT7T (Cont'd)
III = 3A.4 74A7 AT4N ATDD T3A5 373N U57N 36AN NNNN TT7A (Cont'd)
AR

3777 kHz, 25-03, 1823 UTC

III = 3476 43A3 53TD 6TNU 63NU NUT4 DAND 5D3N NNNN TTAA
III = 44DN ..U7 45AA T7A. NT65 75N7 3TA4 TU3N NNNN TTAU
III = (Missed first 8 groups) NNNN TTA3
III = TTD3 5TD7 65DD 73T4 .7DD 5D7U 643N 3D4N NNNN TTA4
III = T37A ADN3 N4NN AT76 U43N 4U64 76A6 T6DT NNNN TTA5
III = 55AN A4UD 5U7N 54NT ...3 77A4 N4T6 7AD6 NNNN TTA6
III = DT3A T7UD AN5D UDAA UDND 3337 .5N7 UUU6 NNNN TTA7
III = A6AA ND5N A764 5373 543A 5AD5 AD33 U4ND NNNN TTAD
III = T3A6 3D3A 444U .A67 3.7A 4N5A T.7A AADU NNNN TTAN
III = .45D 655A T333 4T7T 3NDN 73D. T674 NA34 NNNN TTUT
III = N55N 6455 ADAN 36T6 6335 4AN7 N5NA N34U NNNN TTUA
III = D5NU .A7U 6564 D5T4 UANU 3D53 7T55 544U NNNN TTUU
III = 7NAU 6TNA UDU5 D7A3 UTNN 3U5A N3U4 6TT5 NNNN TTU3
III = D55T UADN 5A6N 463T A766 6U55 D367 3TUU NNNN TTU4
III = TN33 A46D .U46 5NU3 D4ND 36A6 T57U 4DNU NNNN TTU5
AR

3654 kHz. 27-03, 1320 UTC

43DN T554 63U3 AT54 TNAU DNT7 (Cont'd)
AR K AR K
RPT 50.. K (Other station also on this frequency but mostly unreadable)
R R PT 51W = = D3.T AR K
R QSL 2...
R U 7G GA K
OK NR .. /CCK CK ..
R GA K
AR AR K K
R QSL ..2130 K
OK OK
HR WK NR 115 K
OK
NR SK SK SK SK SK

3654 kHz, 26-03, 1402 UTC

4NU4 A34U 4? 44AD UN64 DA67 4N65 (Cont'd)
AR K
R R QSL 2206 K
R OK SK SK K
R OK K
VVV VVV VVV
GE
P
VVV VVV VVV
QSA 2 K
R R .. IEC = 8939 AR K
R ... R R GA K GRR GA K
R NR 1.//CCK CK 099 46 0326 2255 RMKS 65802. TO 0745 K
RPT K
NR 12/CCK CK 99 46 0326 2255 RMKS 8024 TO 0745 K
NR NR K
R RR = =
U6DT 5674 DN.. (Cont'd)
AR K K
R QSL 03..
RPT
R QSL .3.5 K K
R WK NR MSG NR 12/CCK CK 99 46 0326 2255 RMKS 0745 TO 802. K
R GA K
WK NR GA QRR ..CCK/
R WK NR GA K
R R = =
U6DT 5674 DN7. (Cont'd - other station appears to be repeating message sent by other station)
AR
RR QSL 2314 K K
R WK NR NOT K
RPT K
R WK NR . K
OK NR .. = = 101 AR K BK
RPT K
R NR = .. K
R OK NIL 118 K
R R SK SK SK SK

3777//4532 kHz, 27-03, 2216 UTC

III = 337N 4N43 ..3D UTA6 5T57 3T34 7N.6 T4T5 NNNN TT33 (Cont'd) //4532
III = ..4. 3.63 A47. 44NT 7NUN AT67 467N N37. NNNN TT34 (Cont'd)
III = DU46 TUN3 DAN. .454 N4U4 5A.7 3T7U .3T3 NNNN TT35 (Cont'd)
III = NDTT .T. A .676 AN6N T.4. .T4U6 55.D NNNN TT36 (Cont'd)
III = NNNN TT37 (Cont'd)
AR

4178 kHz, 27-03, 1413 UTC

NIL SK
VV CJDJ DE E2DT K
R HKIB DE O.HK R QSA 2 K
HKIB DE O8HK R QSA 2 QSA? K
N QSA 2 K
N N RPT 50W K N RPT 50W K R RPT 50W K R RPT 50W K
VVVVVV

5555 kHz, 27-03, 1911 UTC

D465 74U5 DU75 (Cont'd - Machine sent - Very fast)
III 5BRU6646 47D6 DDN. (Cont'd)
III = 56 5U65 3. (Cont'd - now going even faster)
NN7T 543A 553D 4437 (Now going super slow)
(Now speeding up then slowing down - can't make up his/her mind)
KK VVVV 444 = = = =
DE 6 = = = =
74D4 D6TD U5A5 UU5U 7D3U SANU (Cont'd)

5692 kHz, 27-03, 1427 UTC

RMKS 5369 CK . 34 0327 2130 RMKS 9554. 9558 =
4D35 4TA7 5DA4 D573 T453 (Cont'd)
AR U HR .. K
HR MSG NR 8.8 CK 50 34 0327 2130 RMKS 9558 TO 9554 =
57U6 T7D5 TU3A 76TU 7UTD NA37 D546 NU37 N47U D473 (Cont'd)
AR K

8073 kHz, 27-03, 1139 UTC

VVV BNGC (x3) DE XSV85 (x2) (Cont'd - Handsent - 1139z)
HR MSG GA
NR 0264 CK 141 35 0327 1633 = =
73U6 3AN 3U7 TAU
773 357 363 37U 4T3 NN3 446 3D3 346 T? N3D 4T4 NN3 435 3DT TTU ? 4DT
4DD TA7
773 TAD
773 TAD
773 TU3
773 357 363 4A7 NN3 445 466 3DT TTU 4DT 4DD TAN
773 TUT
773 357 363 4A7 NN3 445 3DU 4DT 4DD TUA
773 TUU
773 353 4T3 NN3 445 3DU 4DT 4DD TU4
773 TU5
773 357 37U 4A7 NN3 446 3D3 33N N3D 4A7 NN3 435 466 3DT TTU 4DT 4D6
TU6
773 TU7
773 356 4T3 NN3 435 3DT TTU 4DT 4D6 TUN
773 356 4T3 NN3 446 467 III = = 3D3 4DT 4D6 T3T
773 T3U
773 356 4T3 NN3 446 3D3 4DT 4D6 T3A
773 T33
773 356 4T3 NN3 435 3DT TTU 4DT 4D6 3UD TU5
773 357 37U 4T6 NN3 435 3DT TTU 4DT 4D6 476 3UN 475 AR AR
MSG A HR AS R MSG GA AHR MSG GA
NR 0265 CK 22 35 0327 1633 = =
TT3 N5U TU7 N53 TAD N54 7TT TAT 746 7T5
77T 6TN 7AA 7U4 U6D U5U 7T5 6T7 7U5 7AD
N47 3AN AR AR
MSG AGN NR 0264 CK A41 35 0327 1633 = =
73U6 3AN 3U7 TAU
773 357 363 37U (Cont'd repeat messages)

5801//10180 kHz, 30-03, 0949 UTC

V DKG6 DE 3A7D
NR .. 81745 RMKS 6437 TO 6816/6457 =
COMM/1730/LZ7.2A7/5430/6816 AR QSL ? K HR WK NR 30 K
V DKG6 DE 3A7D

3654 kHz, 30-03, 1257 UTC

7G GA K
OK OK (Both stations on this frequency)
NR 22/NNCK CK 99 46 03302M ? 52 RMKS 8024 TO 0713 K
R R PT NR K
RPT NR K
R R NR 22/CCK CK
YT K
R R GA
R R =
734. 36UT .N.6 3DT5 UA73 D4.4 5UD6 T..7 TT65 TT34 7NAU (Cont'd)
AR
RPT R (Request repeats)
R RPT TIME K K
R RPT TIME K
NARR QSL QSL .205 K
QSL 2105 K
R 7G GA
R R
MSG MSG NR 09/EEEEEE MSG NR 09/EEEEEE
NR NR 09/CCK CK 99 46 033A 2050 K
NR MSG NR NR OK
MSG NR 09/ NR 09/CCK 99 46 .302052 K K
R R RPT ..RYT
RPT RPT UWK NR KU WK NR GA K K
U WK NR NA K K
M NR NR NR 09/CCK
R R WK NR .K NR WK RY K
R R WK NR 109 K
R GA
R OK R MKS =
RMKS ..94 TO 675. K K
R GA = =
7.3U 36U. ND6.DT5? 3DT5 UA.3 (Cont'd)
AR AR K
RR QSL ...1 K
QSL 2119 K
R WK WK NR K
R R WK NR 118 K
R RPT K
WK NR 119 K
119 K K
119 EEEEE NR 118 K K
R R WK SK SK SK SK

3642//7602 kHz, 30-03, 1325 UTC

V DKG6 DE 3A7D
VVV NR 120 21 15 RMKS 6537 TO 66N9 EEEEE 6437 TO 6697 /6457 /
COMM/2200/LZ7722 B J/6437/6697 AR
QSL ? HR WK NR .00 UGB
V DKG6 DE 3A7D



MC03

Chinese Air Defense

5246 kHz, 01-03, 2256 UTC

4UT UA5434 5DT4763 AA356
4UT UA5433 6DTA6N5 TAN 55
4UN UA6NUA AT5 56
4UT AA6NUT 4NN5NN7 AT5 56

5135.5 kHz, 31-03, 1710 UTC

3A3UA5D67 TD
3AD UA5D4D 45 TN565 AT3 TD
3A3 UA5..7 TD
3AD UT77T7 73TAD45 AA3 TD (Cont'd)



UM01 **Unid CQ station**

Frequency: 3580 kHz. Location: Siberia. Unpredictable behavior. Sends either CQ P or CQ M, sometimes even mixed.

01-03, 2243 UTC CQ M 5	07-03, 1021 UTC CQ P 21	11-03, 1821 UTC CQ M 2
01-03, 2327 UTC CQ M 6	07-03, 1023 UTC CQ P 20	12-03, 0054 UTC CQ M 2
02-03, 1054 UTC CQ M 5	07-03, 1025 UTC CQ P 19	12-03, 0951 UTC CQ M 2
02-03, 1232 UTC CQ M 5	07-03, 1028 UTC CQ P 18	12-03, 1310 UTC CQ M 1
02-03, 1637 UTC CQ M 5	07-03, 1030 UTC CQ P 17	12-03, 1656 UTC CQ M 2
02-03, 2055 UTC CQ M 5	07-03, 1033 UTC CQ P 16	13-03, 0151 UTC CQ M 2
03-03, 1136 UTC CQ M 6	07-03, 1036 UTC CQ P 15	13-03, 1020 UTC CQ M 2
03-03, 1640 UTC CQ M 7	07-03, 1039 UTC CQ P 14	13-03, 1154 UTC CQ M 2
03-03, 1934 UTC CQ M 7	07-03, 1042 UTC CQ P 13	13-03, 2348 UTC CQ M 3
04-03, 0210 UTC CQ M 8	07-03, 1046 UTC CQ P 12	15-03, 1455 UTC CQ M 3
04-03, 1023 UTC CQ M 6	07-03, 1049 UTC CQ P 11	15-03, 2329 UTC CQ M 3
04-03, 1611 UTC CQ M 7	07-03, 1053 UTC CQ P 10	16-03, 0352 UTC CQ M 4
04-03, 2205 UTC CQ 7 8	07-03, 1057 UTC CQ P 9	16-03, 1146 UTC CQ M 3
05-03, 1640 UTC CQ M 7	07-03, 1104 UTC CQ P 8	17-03, 1119 UTC CQ M 4
05-03, 1825 UTC CQ M 8	07-03, 1117 UTC CQ P 7	18-03 not heard
06-03, 0014 UTC CQ M 10	07-03, 1437 UTC CQ M 5	19-03 not heard
06-03, 0030 UTC CQ M 11	07-03, 1520 UTC CQ M 6	20-03, 1605 UTC CQ M 3
07-03, 0137 UTC CQ M 14	07-03, 2256 UTC CQ M 12	20-03, 1858 UTC CQ M 3
07-03, 0210 UTC CQ M 13	08-03, 0153 UTC CQ M 12	23-03, 0223 UTC CQ P 1
07-03, 0954 UTC CQ P 45	08-03, 0220 UTC CQ M 11	23-03, 1825 UTC CQ P 1
07-03, 0955 UTC CQ P 44	08-03, 0819 UTC CQ M 9	24-03, 1217 UTC CQ P 2
07-03, 0955 UTC CQ P 43	08-03, 1217 UTC CQ M 8	24-03, 1637 UTC CQ P 2
07-03, 0956 UTC CQ P 42	08-03, 2205 UTC CQ M 13	24-03, 1718 UTC CQ P 1
07-03, 0956 UTC CQ P 41	09-03, 0155 UTC CQ M 14	25-03, 1806 UTC CQ M 3
07-03, 0957 UTC CQ P 40	09-03, 1054 UTC CQ M 10	25-03, 1935 UTC CQ M 4
07-03, 1010 UTC CQ P 29	09-03, 1316 UTC CQ M 9	26-03, 1923 UTC CQ M 2
07-03, 1911 UTC CQ P 28	09-03, 2044 UTC CQ M 8	27-03, 1210 UTC CQ M 3
07-03, 1013 UTC CQ P 27	10-03, 0146 UTC CQ M 7	27-03, 1333 UTC CQ M 3
07-03, 1013 UTC CQ P 26	10-03, 0215 UTC CQ M 6	27-03, 1927 UTC CQ M 4
07-03, 1014 UTC CQ P 25	10-03, 0916 UTC CQ M 3	27-03, 2213 UTC CQ M 6
07-03, 1015 UTC CQ P 24	10-03, 1646 UTC CQ M 1	30-03, 0947 UTC CQ M 4
07-03, 1018 UTC CQ P 23	10-03, 1948 UTC CQ M 1	30-03, 1559 UTC CQ M 4
07-03, 1020 UTC CQ P 22	11-03, 1143 UTC CQ M 1	31-03, 1700 UTC CQ M 5



UM10 **Unid 10-minutes net**

Sends usually on two // frequencies. Skeds 2x per hour, each transmission lasts 10 minutes.

3782 kHz, 02-03, 1230 UTC VI4T
 3782 kHz, 02-03, 1630 UTC VI4T //3281 kHz
 3281 kHz, 02-03, 1630 UTC VI4T //3782 kHz
 3207 kHz, 03-03, 1658 UTC 7CJK //3724 kHz
 3724 kHz, 03-03, 1658 UTC 7CJK //3207 kHz
 3207 kHz, 03-03, 1929 UTC 7CJK //3724 kHz
 3724 kHz, 03-03, 1929 UTC 7CJK //3207 kHz
 3860 kHz, 04-03, 2205 UTC L6YC
 3207 kHz, 04-03, 2224 UTC 7CJK
 3860 kHz, 09-03, 2047 UTC L6YC //3207 kHz

3207 kHz, 09-03, 2047 UTC L6YC //3860 kHz
 3860 kHz, 10-03, 1647 UTC L6YC
 3860 kHz, 12-03, 1316 UTC L6YC
 3724 kHz, 12-03, 1657 UTC 7CJK
 3724 kHz, 15-03, 1456 UTC 7CJK
 3860 kHz, 17-03, 1145 UTC L6YC //3207 kHz
 3207 kHz, 17-03, 1145 UTC L6YC //3860 kHz
 3207 kHz, 20-03, 1558 UTC 7CJK
 3860 kHz, 24-03, 1654 UTC L6YC
 3207 kHz, 24-03, 1654 UTC 7CJK
 3724 kHz, 26-03, 1924 UTC 7CJK
 3860 kHz, 30-03, 1617 UTC L6YC
 3860 kHz, 31-03, 1720 UTC L6YC
 3207 kHz, 31-03, 1723 UTC 7CJK

VARIOUS MODES



Don Schimmel and friends noted that the first four digits of the spoken group match the last 4 digits of the decoded file number. Decoded texts showing all zeros are most likely dummy messages. Besides .TXT files, different types of files have been observed such as .F1G, .F1C, and .PIR. These can't be decoded.

<p>The spoken text on 4 March consists of the following groups: 56047 24311 13661 42317 86588 66867</p>	<p>These are the files sent in RDFT 55825604.TXT 12702431.TXT 46611366.TXT 11354231.TXT 12228658.TXT 30826686.TXT</p>
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11435 kHz, 13-3, 1600 UTC	Running two signals at same time. One signal off. 05611 10601 35361 10357 35367 57845 at 1601 UTC. Starts again at 1658 UTC
11435 kHz, 16-3, 1559 UTC	05614 10603 35363 57671 23832 14031 The 6th voice group was 14031, the printed file number details were 81211403.txt
11530 kHz, 16-3, 1729 UTC	05614 10603 35363 57671 23832 14031 The 6th voice group was 14031, the printed file number details were 81211403.txt
11635 kHz, 16-3, 1803 UTC	05614 10603 35363 57671 23832 14031 The 6th voice group was 14031, the printed file number details were 81211403.txt
11635 kHz, 16-3, 2109 UTC	05614 10603 35363 57671 23832 14031 The 6th voice group was 14031, the printed file number details were 81211403.txt
10715 kHz, 16-3, 2244 UTC	05614 10603 35363 57671 23832 14031 The 6th voice group was 14031, the printed file number details were 81211403.txt
11435 kHz, 17-3, 1558 UTC	05615 10604 35364 57671 23833 14031 (They still have not spotted their error in the 6th group)
11530 kHz, 17-3, 1659 UTC	05615 10604 35364 57671 23833 14031 (They still have not spotted their error in the 6th group)
11635 kHz, 17-3, 1812 UTC	05615 10604 35364 57671 23833 14031 (They still have not spotted their error in the 6th group)
11435 kHz, 21-3, 1553 UTC	85761 51381 35367 57674 23836 14034, stops and goes into new groups at 1559 UTC
11435 kHz, 30-3, 1559 UTC	Brief Radio Havana transmission then at 1559 UTX: 20821 39133 87836 84203 18836 43715

M42 & X06



Modes:

Various digital modes, CW,
Tones (Mazenska / Mazielka)

Russian Government & Intelligence



M42 – various modes

Freq	Date	UTC	Day	Remarks	Mode
6830	25-2	1747		RNI6: Russian PtP station, callup: RRQ6 RRQ6 RRQ6 de RNI2 RNI2 into OOK	CW
18682	5-3	1641	Thu	Russian diplo/intel. 16111 17820 11912 34505	Baudot 100/500
14399	5-3	1705	Thu	Russian diplo/intel. 16111 17820 11912 34505	Baudot 100/500
20764	11-3	1047	Wed	Russian diplo/intel. 5FGs to "GRV"	Baudot 75/500
10669	13-3	0700	Fri	Russian diplo/intel. Msg 002 on link 45136	FSK 200/1000
8091	13-3	0710	Fri	Russian diplo/intel. Msg 002 on link 45136	FSK 200/1000
6877	13-3	0720	Fri	Russian diplo/intel. Msg 002 on link 45136	FSK 200/1000
13376	31-3	0840	Tue	Russian diplo	CROWD-36

M42b – Baudot 50/500 =50= separator

9082 kHz, 18-03, 0807 UTC (a bit garbled)

W9SP DE LM7K (in CW)

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYR

361 183 18 0800 5871 =

78840 92728 26731 90491 57632 58089 24519 04163 98776 73363

76677 84028 94143 33811 14072 32236 68606 09483 90350 08999

58068 29077 69979 16498 47729 65065 22616 14529 69060 12277

84777 72568 78896 77122 74728 87958 69096 1960. 716.1 55753

.6.81 14453 .9411 61861 17589 30892 41703 96367 93363 24850 =50=

80569 04343 42755 25946 89444 29281 88127 45581 98268 60508

49236 23133 81917 37416 23102 19078 94617 65295 81960 98466

50398 82172 83397 76889 84255 60880 69259 93903 38219 26998

40630 51058 07437 99992 88474 46326 28779 11211 86971 12871

85565 28742 86615 28339 35785 77319 82426 99648 91775 45413 =100=

18194 27941 45265 96721 12688 83412 03943 28253 18785 44682

07071 42163 51443 82405 62302 23559 8:?) !1&1"711514 & '1661

28928 03865 83318 15009 23434 29687 78063 12401 06734 18047

29796 742+4#? \$160!\$117#2?8'20/889& 63501 3729 82749 98907,7.' 6,, ' 6#

0890#2(2:+6?/! 38937 32283 60395 66024 35145 88891 #554

33687 89366 22235 31020 82651 31699 18222 16469 56903 35171

82500 01658 47812 - 0809 (

M42c – FSK 200/500

14719 kHz, 07-03, 1320 UTC	00000+++++++162)5761
12184 kHz, 07-03, 1810 UTC	00000+++++++162)5761
7601/5756/4467 kHz, 19-03, 2000/2010/2020 UTC	00000+++++++162)5761
18435/16303/14717 kHz, 28-03,1300/1310/1320 UTC	00000+++++++162)5761

M42d – FSK 200/1000**20896/18427/16151 kHz, 01-03, 1000/1010/1020 UTC**

Block No 0 : Total Message Size 15 blocks : This transmission contains one message.

Block No 1 : Link ID 45057 : 12th of month : Msg Number 170 : Msg Type 07145 : Group Count (?) 91
10484 64646 19004 11938 44730 03308 01422 04934

20436/18911/17427 kHz, 01-03, 1100/1110/1120 UTC

Block No 0 : Total Message Size 46 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 27th of month : Msg Number 010 : Msg Type 07145 : Group Count (?) 58
13129 12640 06454 12295 43092 05329 21395 26877

17409/14578 kHz, 03-03, 1110/1120 UTC

Carrier, no message sent

11426/12152 kHz, 03-03, 1200/1210 UTC

Block No 0 : Total Message Size 56 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45137 : 2nd of month : Msg Number 055 : Msg Type 07145 : Group Count (?) 179
58996 04563 13588 09288 07583 01007 15318 15884

20373/18405 kHz, 07-03, 1510/1520 UTC

Msg NR 002 Date: 7th Type 07145 GR4 on Link 32821

34156 00000 00000 00316 13740 33025 00893 62083

10669/8091/6877 kHz, 13-03, 0700/0710/0720 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 13th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
64936 00000 00000 03422 58024 36014 00893 26131

10669/8991/6877 kHz, 18-03, 0700/0710/0720 UTC

Block No 0 : Total Message Size 39 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 17th of month : Msg Number 102 : Msg Type 07145 : Group Count (?) 3
44828 02305 40273 35517 55182 39404 24975 36119

14721 kHz, 18-03, 1250 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 53277 : 18th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
46204 00000 00000 02278 19866 32939 00893 33797

10669/8091/6877 kHz, 19-03, 0700/0710/0720 UTC

Block No 0 : Total Message Size 68 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 18th of month : Msg Number 105 : Msg Type 07145 : Group Count (?) 29
07680 01172 11502 32022 58024 07092 44396 31848

11426/8024/6882 kHz, 19-03, 1200/1210/1220 UTC

Block No 0 : Total Message Size 68 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 18th of month : Msg Number 105 : Msg Type 07145 : Group Count (?) 29
07680 01172 11502 32022 58024 07092 44396 31848

17466/15857/13469 kHz, 19-03, 1330/1340/1350 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 49237 : 19th of month : Msg Number 047 : Msg Type 07145 : Group Count (?) 4
10016 00000 00000 01014 64414 33223 00893 60324

10669/8091/6877 kHz, 20-03, 0700/0710/0720 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 20th of month : Msg Number 050 : Msg Type 07145 : Group Count (?) 4
04160 00000 00000 02455 09959 01036 00893 15667

10359/18236/16237 kHz, 24-03, 1400/1410/1420 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 32799 : 24th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
00552 00000 00000 02399 26836 35757 00893 29747

13384/11127/9242 kHz, 24-03, 1650/1700/1710 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20501 : 24th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
13724 00000 00000 02035 32012 36605 00893 56039

10699/8091/6877 kHz, 25-03, 0700/0710/0720 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20501 : 24th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
13724 00000 00000 02035 32012 36605 00893 56039

18429/16276/14421 kHz, 25-03, 0800/0810/0820 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45075 : 24th of month : Msg Number 130 : Msg Type 07145 : Group Count (?) 4
39828 00000 00000 00271 14597 02494 00893 60668

20959/18551/16252 kHz, 25-03, 1000/1010/1020 UTC

Block No 0 : Total Message Size 1 blocks : This transmission contains 0 messages.

Block No 1 : Link ID 49202 : 25th of month : Msg Number 110 : Msg Type 07145 : Group Count (?) 4
27868 00000 00000 01734 34046 04056 00893 40146

20567/18234/16146 kHz, 25-03, 1015/1025/1035 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20492 : 25th of month : Msg Number 065 : Msg Type 07145 : Group Count (?) 4
04828 00000 00000 00079 34753 02365 00893 47118

11426/8024/6882 kHz, 25-03, 1200/1210/1220 kHz

Block No 0 : Total Message Size 38 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 24th of month : Msg Number 122 : Msg Type 07145 : Group Count (?) 249
55080 20801 45510 12505 55182 33751 20422 40823

16047 kHz, 26-03, 0920 UTC

Block No 0 : Total Message Size 27 blocks : This transmission contains one message.

Block No 1 : Link ID 16404 : 10th of month : Msg Number 212 : Msg Type 07145 : Group Count (?) 172
53100 19652 21986 35147 59836 35556 35129 09493

17466/15857/13468 kHz, 26-03, 1330/1340/1350 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 49237 : 26th of month : Msg Number 032 : Msg Type 07145 : Group Count (?) 4
10017 00000 00000 02048 64414 35666 00893 40739

17435/15831/13513 kHz, 28-03, 0900/0910/0920 UTC

Block No 0 : Total Message Size 1 blocks : This transmission contains 0 messages.

Block No 1 : Link ID 45114 : 26th of month : Msg Number 010 : Msg Type 07145 : Group Count (?) 74
52293 03705 20465 26848 56490 01394 10063 23612

18946/16221/14637 kHz, 28-03, 1000/1010/1020 UTC

Block No 0 : Total Message Size 1 blocks : This transmission contains 0 messages.

Block No 1 : Link ID 45114 : 26th of month : Msg Number 010 : Msg Type 07145 : Group Count (?) 74
52293 03705 20465 26848 56490 01394 10063 23612

19532/17485/15871 kHz, 28-03, 1100/1110/1120 UTC

Block No 0 : Total Message Size 40 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 26th of month : Msg Number 020 : Msg Type 07145 : Group Count (?) 6
39357 61633 24763 15197 28573 07206 45651 58803

17435/15831/13513 kHz, 29-03, 0900/0910/0920 UTC

Block No 0 : Total Message Size 13 blocks : This transmission contains 11 messages.

Block No 1 : Link ID 45114 : 26th of month : Msg Number 010 : Msg Type 07145 : Group Count (?) 74
52293 03705 20465 26848 56490 01394 10063 23612

18946/16221/14637 kHz, 29-03, 1000/1010/1020 UTC

Block No 0 : Total Message Size 43 blocks : This transmission contains one message.

Block No 1 : Link ID 45057 : 13th of month : Msg Number 172 : Msg Type 07145 : Group Count (?) 33
62712 49381 09102 06831 59621 37895 05513 32519

19532/17485/15871 kHz, 29-03, 1100/1110/1120 UTC

Block No 0 : Total Message Size 40 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 26th of month : Msg Number 020 : Msg Type 07145 : Group Count (?) 6
39357 61633 24763 15197 28573 07206 45651 58803

16032/14351/12193 kHz, 29-03, 1530/1540/1550 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20501 : 29th of month : Msg Number 122 : Msg Type 07145 : Group Count (?) 4
19141 00000 00000 01357 16418 33267 00893 29470

10669/8091/6877 kHz, 31-03, 0700/0710/0720 UTC

Block No 0 : Total Message Size 52 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 30th of month : Msg Number 135 : Msg Type 07145 : Group Count (?) 159
32257 36457 36618 26662 65099 03654 06318 17720

11426/8024/6882 kHz, 31-03, 1200/1210.1220 UTC

Block No 0 : Total Message Size 52 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 30th of month : Msg Number 135 : Msg Type 07145 : Group Count (?) 159
32257 36457 36618 26662 65099 03654 06318 17720

20539/18236/16237 UTC, 31-03, 1400/1410/1420 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 32799 : 31st of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
50541 00000 00000 02149 09187 33137 00893 17062

13386/12857 kHz, 31-03, 1650/1700 UTC

Msg 002 on Link 20501: 34157 00000 00000 02618 12857 35157 00893 59683

X06 - Mazielka

Freq.	X	Date	UTC	Day	Remarks
18750	X06	2-3	0827	Mon	Mazielka. Sequence: 641523
18523	X06	3-3	1145	Tue	Mazielka. Sequence: 325614
20655	X06	3-3	1203	Tue	Mazielka. Sequence: 325614
12155	X06	4-3	0729	Wed	Mazielka. Sequence: 256341
17470	X06	8-3	1111	Sun	Mazielka. Sequence: 216354.
17470	X06	8-3	1117	Sun	Mazielka. Sequence: 216354
9289	X06	13-3	0725	Fri	Mazielka. Sequence: 356412
17430	X06	18-3	0940	Wed	Mazielka. Sequence: 214356
9163	X06	29-3	1747	Sun	Mazielka. Sequence: 145623
18670	X06b	2-3	0857	Mon	Mazielka



XPA

11409/13509 kHz, 14-03, 0700/0720 UTC

456 456 456 000

07946 00001 00000 10140

11409/13509/14609 kHz, 18-03, 0700/0720/0740 UTC

456 456 456 1

02977 00245 63200 41002 87997 15396 31134 69593 51519 52533
80495 90661 19522 44296 51398 33104 70141 52656 16603 63568
07355 80698 70380 59601 36983 58658 89470 86179 91431 77309
51113 32656 04114 26508 22343 13859 60506 30111 86214 26116
53810 29651 48758 10910 77128 29391 61101 18236 90390 62958
50365 16620 86515 27216 89616 52134 35722 01537 58739 54463
21388 86671 16753 92567 91470 77127 95354 44413 71556 87466
62696 34073 38115 77265 57318 26348 55220 78417 38969 28524
97460 95980 11317 33679 13169 54223 30762 35566 77010 02488
40256 51047 52705 48861 01774 28946 06823 89310 26541 20358
60007 45252 90676 17960 88855 97468 16681 86454 21792 86389
70786 37460 17889 49181 72376 71625 04337 93292 46565 19000
38433 11833 32524 76927 59937 93067 88673 69620 69241 95870
90826 64935 18164 54307 85086 56171 79178 15446 64166 26398
56627 41288 97226 72421 39273 47793 06772 10960 02907 51693
75945 58948 77980 66611 19290 37453 42181 83602 72596 31924
32487 71482 48004 50544 88893 94391 46251 39132 17948 40358
05247 62484 50066 97875 00945 80925 06939 45708 61706 01286
77320 53779 34073 28718 81508 81186 01896 47325 13572 45127
77131 45249 27157 67755 25390 32892 31537 63414 68660 15318
13329 25870 03645 12514 53838 14885 59906 02668 64851 21663
92427 09450 75913 56384 27703 61825 72734 42464 76468 05205
42978 65398 20927 19868 91669 07442 47648 24858 39569 21449
52048 04419 86519 97151 32777 43368 96044 61345 05183 94999
28070 97658 25999 50761 91072 77432 29811 56001

11409/13509/14609 kHz, 25-03, 0700/0720/0740 kHz

456 456 456 000

02232 00001 00000 10140

11409/13509/14609 kHz, 28-03, 0700/0720/0740 kHz

456 456 456 000

07385 00001 00000 10140

9362/8062/7462 kHz, 31-03, 1800/1820/1840 UTC

304 304 304 000

01096 00001 00000 10140



XPA2

16138/14438/13438 kHz, 01-03, 1500/1520/1640 UTC

02517 00080 73311 22989 89286 73216 77960 78918 23072 53685
54204 23089 66491 56676 87571 07115 89589 92750 89886 70471
49867 89988 81382 42268 57053 19461 65247 46331 09884 79958
28837 96317 75181 54014 39600 67330 60938 10365 74617 08051
19221 07658 44829 44408 77682 78339 99430 27887 91760 04877
23521 67892 84951 24739 31223 47247 00655 16838 71633 80380
47160 18242 35448 78888 55855 67010 52862 33816 48171 28611
53758 33656 77768 21680 65080 80317 32847 37788 46664 70212
83270 74429 03323

15956/14956 kHz, 02-03, 0800/0820 UTC

08331 00001 00000 10140

18667/17419 kHz, 07-03, 1400/1420 UTC

1400 UTC: 03059 00001 00000 10140

1420 UTC: 2248 00000 00000 00033. Corrupt message

15956/14956/13956 kHz, 18-03, 0800/0820/0840 UTC

09364 00001 00000 10140

16956/14956/13956 kHz, 23-03, 0800/0820/0840 UTC

02759 00001 00000 10140

15956/14956/13956 kHz, 25-03, 0800/0820/0840 UTC

06403 00000 00000 00030

18667/17419/16212 kHz, 27-03, 1400/1420/1440 UTC

09582 00001 00000 10140

16138/14438/13438 kHz, 29-03, 1500/1510.1520 UTC

09398 00113 31476 14074 52150 90310 71586 36843 18564 51143
30872 19032 90528 22799 72870 42824 20653 93683 13780 53175
17655 58208 57556 93244 06986 57558 65517 99052 71974 72646
91871 71306 95579 86356 28647 86341 68795 50702 70393 13925
16160 40413 16324 13636 05318 89974 02071 38554 20494 04828
72230 75078 77361 36631 78409 90426 04992 93176 08270 59851
62812 56805 51894 10586 77298 25852 98077 55339 30756 06039
63563 08913 87826 44074 18469 35726 39129 32999 71102 91973
46698 81201 00555 03399 33686 70741 05092 66844 44155 66166
84669 86305 99960 57790 19563 44019 63729 72045 98320 23512
14966 64149 58503 51175 16857 24768 19512 05797 54836 11251
52927 63246 94630 53528 87736 23060



Polish Intelligence **(E11 family)**

10246	13-3	0700	Fri	FSK 100/625	7407	25-3	1030	Wed	FSK 100/625
7371	17-3	0900	Tue	FSK 100/625	7407	25-3	1035	Wed	FSK 100/625
7371	17-3	0905	Tue	FSK 100/625	15632	25-3	1140	Wed	FSK 100/625
14753	19-3	0730	Thu	FSK 100/625	15632	25-3	1145	Wed	FSK 100/625
14753	19-3	0735	Thu	FSK 100/625	5358	25-3	1305	Wed	FSK 100/625
6906	19-3	0800	Thu	FSK 100/625	5358	25-3	1310	Wed	FSK 100/625
6906	19-3	0805	Thu	FSK 100/625	6433	28-3	1005	Sat	FSK 100/625
6906	23-3	0805	Mon	FSK 100/625	6433	28-3	1010	Sat	FSK 100/625
9339	23-3	0845	Mon	FSK 100/625	15632	29-3	1525	Sun	FSK 100/625
9339	25-3	0845	Wed	FSK 100/625	10728	31-3	0630	Tue	FSK 100/625
9339	25-3	0850	Wed	FSK 100/625	10728	31-3	0635	Tue	FSK 100/625
6433	25-3	1005	Wed	FSK 100/625	10246	31-3	0655	Tue	FSK 100/625
6433	25-3	1010	Wed	FSK 100/625	10246	31-3	0700	Tue	FSK 100/625



North Korean diplomatic stations

20870 kHz, 4-3, 0810 UTC	North Korean diplo	DPRK-ARQ 600/600 LSB
19719 kHz, 7-3, 0835 UTC	North Korean diplo	DPRK-ARQ 600/600 LSB
18850 kHz, 7-3, 0856 UTC	North Korean diplo	DPRK-ARQ 600/600 LSB
13850 kHz, 31-3, 0655 UTC	North Korean Diplo	DPRK-ARQ 600/600 LSB



Egyptian diplomatic stations

Modes: SITOR-A 100/170 & Codan-9001

20086.7 kHz, 7-3, 0806 UTC MFA Cairo SITOR-A 100/170
18046.8 kHz, 31-3, 1205 UTC MFA Cairo, msg to Islamabad Embassy SITOR-A 100/170

Antonio copied a transmission from MFA Cairo to the Egyptian embassy in Islamabad on 18046.8 kHz on 31-03, 1205 UTC in SITOR-A 100/170. The time in the header (1238) does not correspond with the time of the reception. It seems 30 minutes ahead.

TO : ISLAMABAD
TIME & DATE: 12:38&11.QMARCH 31, 5
NUMBER OF GROUPS: 187

URGENT

=====

0010F 85702 00631 95960 D2#(WO ORRYF B8156 B
68010 10003 8619C 44ECA 691FE AA5AC 3284B 14BB6 A4749 19641.9,
1CA0D 9D851 E4D08 8F4FC AQOY C25AE EQE4 55C5B
26AD4 BA278965 DD539 81673 CA559 C9927 EWP UEAAA 7C1F2
19E70 40796 1C892 454C7 74Q F 127D 895B1 CEZGL D53C7 CA77457401 4C67F 97221 B0B
D627F F43F0 87773 C1973 8071E 9:0DBRYTC 83:97
%5 E24D9 2F502 8DF46 E3B 5C2D5 77585 02107 8CA 25E65 05459 4FC3B EC#.&-7DFD D0855 968CF 101E7

4B9C7 CE1BD D4213 0ADC8 2BA00 F57B8 BA871 98DAE002 03721 89A86 B1168 967DF UORU UQIPC 8371B 5A629
ACC6F ETD26 6E033 0FPOY FBC76 1D927 E7967
320C6 043-98 ARP BC8DF A52
=3CB D934B
A PFF 1D811 CWRD 1C070 7E749 87806 94761
60+6.#+%%&39 4FDBZ
OEQR ROIUR QEE77 7F566377C
C0FC0 F24EA 57741 98402 32AA3 4E89D 6FB28 94\$3 %867C
IFB 14E07E6AAAA 20C36 57B1E W CC515
18957 D41-%%6 ECD16 F2BAF 0CBBE 7 3FE8D 50BFD
OWR BE APP YPG D9E 0
NNNNNN



Chinese diplomatic stations

Mode: 4+4 75/1000 LSB

19772 kHz, 12-2, 0104 UTC Chinese diplo. YWZS DE RZYV followed by 4+4 traffic 4+4 QPSK 75/3000 LSB
22213 kHz, 27-2, 0642 UTC Chinese diplo. MDTC DE GVXE followed by 4+4 traffic 4+4 QPSK 75/3000 LSB
21854 kHz, 4-3, 0705 UTC Chinese diplo. 4+4 QPSK 75/3000 LSB

UTILITY ROUND-UP



Armenian Air Defense

3790 kHz, 1-3, 1714 UTC Armenian Air Defense with range reports



Unid stations

3531 kHz, 10-03, 2109 UTC, copied by JPL
VVV 3PS 3PS 3PS DE 6CE 6CE QRU K (Cont'd)
99? 0998 SK

KRIPTOGRAMMA KALININGRAD KHOLOD=

Russian kriptogramma from the 1990's

6316 3067 1172 453081254 3944 4562 7199 3422 9368=
5840 5090 3178 4105 7618 9136 4847 5092 4421 6445=
5170 5614 7899 2217 3938 7941 4130 9212 7192 3863=
3500 8788 2349 7262 8717 9652 8131 3269 4941 8055=
252 4221 7430 7804 1566 9796 0956 736789581 6119=

6014 5107 5212 6785 1974 79011546 2384 3578 1163=
0336 814386607 8105 56=2 8896 2863 8381 3271 4745=
1170-

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from the logs submitted by JPL, Nige, Trond



M32 **Russian / CIS Military CW Stations**

We received a call for help from our contributor Trond Jacobsen. He writes:

Hello UDXF group

The strategic-operational activity under the "RGT77" umbrella, has not previously been on the priority monitoring list at this end, - so I am not up to date on the current frequency usage and activity level. I have for some days been monitoring 10683 (and the // 13443) in the morning hours local time. Some strategic flash messages to unit VN6B, but not much traffic otherwise observed.

There are however a rather regular 5LG broadcast to the collective RGT77 around 08 utc. Latest observation today at 0801utc; "rgt77 rgt77 206 = ppaet ... wwpäw = k".

After that quiet on that channel. Has tried to find out which frequency they moved to for mid-day operations, but no success.

I have also a feeling that this net use of transmissions on a large number of // frequencies has been abandoned for some reason. Some years ago this frequency usage was rather common:

10683 // 12688 // 13443 // 13561

7822 // 7827

6857 // 6883

As well as occasional 13396 // 12227 But it seems like this is history (???)

I have these frequencies registered in my database for RGT77: (with broadcasts to RGT77 on strategic "RDL channels" excluded)

All using A1A morse:

*(3160.5?), 3161, (3177.5?), 3178, (3333 WEGl exclusive ?), 3882,
4451, 4564, 4621,
5093, 5122, 5389, 5407,
6343, 6351, 6363, 6386, 6438, 6857, 6481, 6882, 6883,
7002, 7005, 7038, 7040, 7050, 7075, 7574, 7614, 7674, 7689, 7774, 7822, 7827, 7853, 7962,
8108, 8109, 8527
10377, 10683, 10933
12158, 12227, 12593, 12688, 12705, 12981
13396, 13443, 13561, 13568, 13852, 13876
14050, 14092, 14148, 14284, 14402, 14552, 14841, 14842,
15080, 15808,
16233
(22864?)*

So the question is;

- 1. Where are they operating in the daylight hours since I cannot find them ??*
- 2. What are the current operational habit for this command authority, like change of daytime/nighttime channels, fixed time transmissions (~08utc already known :-)) etc, etc....*

All feedback regarding this enigma is very welcome !!

If you can help, please mail the freqs either to UDXF, or udxf@udxf.nl or directly to Trond rsdn20@yahoo.co.uk

10155 kHz, 01-03

1215 UTC XXX XXX WEGI WEGI 44719 84421 ANDROGENEZ 2730 3201 K
 1220 UTC XXX XXX RGT77 RGT77 03536 46021 INOHODX 7110 8527 K

12736 kHz, 01-03

1215 UTC XXX XXX 1QRF 1QRF 01271 ANDROGENEZ 2730 3201 K" OM LRAF CHANNEL 12736
 1224 UTC XXX XXX RGT77 RGT77 03536 46021 INOHODX 7110 8527 K

6928 kHz, 01-03, 2205 UTC, i.p.

14755 39134 20155 65955 65580 47756 35953 49418 72006 72221 99560
 44357 46189 31856 83806 25042 63174 49266 72356 06542 61185 02026 QTC K
 J5BB 308 27 2 0200 308 =
 549 =
 PPPPP Z\OJGL ZBFAG PRBKI VBLJL PRBKI VBLJL PRBKI VBLJL \OI.E
 EVAQV R\ODCN DHDOG SRZWW QNVMI JDBAB CBATA CITPI SABRC
 RORJO PRWIR NWISTT EEEEEEEEE PRWIR NWIST BZDRP NHFWM \OQBQL PWPWT K

3598 kHz, 08-03, 2205 UTC

RFZP DE KDUT K
 RFZP
 R K
 PTEC DE KDUT K
 PTEC K
 R K
 NIMU DE KDUT K
 NIMU DE KDUT K
 NIMU K
 RPT K
 NIMU K
 R K

10653 kHz, 10-03

0922 UTC XXX XXX MSK7 MSK7 61368 AJDYKULX 07 960381
 0923 UTC XXX XXX MSK7 MSK7 61368 AJDYKULX 07 960381 K
 0924 UTC XXX XXX MSK7 MSK7 50415 SUMAH 483 64042
 0925 UTC XXX XXX MSK7 MSK7 50415 SUMA 483 64042 K
 0926 UTC XXX XXX MSK7 MSK7 57962 BRABRAK 954 24447
 0927 UTC XXX XXX MSK7 MSK7 57962 BRABRAK 954 24447 K
 0928 UTC XXX XXX MSK7 MSK7 88974 HLORETA MIN 82193294
 0929 UTC XXX XXX MSK7 MSK7 88974 HLORETA MIN 82193294 K

5472 kHz, 15-03, 1512 UTC

TDMC DE XXDZ K
 YLW1 DE XXDZ K
 R K
 FNLZ DE XXDZ K
 R K
 ELZ7 DE XXDZ K
 R K
 TAFH DE XXDZ K
 R K
 F9E7 DE XXDZ K

3826 kHz, 15-03, 2330 UTC

QP9T DE C2FQ K.
 QP9T DE VEA E K.
 QP9T DE A6DQ K.
 QP9T DE SOCK K.
 QP9T DE N9S9 K

10683 kHz

16-03, 1528 UTC XXX XXX VN6B VN6B 98273
 19-03, 0804 UTC XXX XXX VN6B VN6B 78075 LIÖMAN 0163 3114 K
 19-03, 0825 UTC XXX XXX NV6B VN6B 83766 WICEDRIN 0425 7026 K

18.1 kHz

20-03, 0940 UTC XXX XXX RDL RDL 96486 AMFIBIÄ 01 1075150 300 1206 K
 18-03, 1816 UTC RDL RDL RDL 11111 93528 36834 93689 93689 ... 94997 55294 48464 18T86 K
 19-03, 0734 UTC XXX XXX TT TT TT TT" (PAUSE) "UUU XXX XXX" AND INTO T600 50/75

9068 kHz

20-03, 0816 UTC XXX XXX RDL RDL 13199 18364 WÜRM 1011 7135 K
 20-03, 0817 UTC XXX XXX RDL RDL 16103 63077 OTLAVA 9110 7248 K

14664 kHz, 22-03, 1244 UTC XXX XXX RDL RDL 28382 68509 ELOMOK 4062 7400 K
3282 kHz, 24-03, 1702 UTC 1GTY DE MNLR K. R K

3806 kHz, 24-03, 1644 UTC

HKKS R 63 K
 OK QTC K (Both stations on this frequency)
 QRV K
 IIMO 64 65 24 1900 64 BT
 78983 .2567 92643 (Cont'd)
 24064 K
 HKKS R 64 K
 OK QTC K
 QRV K
 IIMO 65 88 24 1900 B65
 BT 51495 47742 54917 (Cont'd)

3594 kHz, 24-03, 1711 UTC

QLK QLK QLK
 CGKO DE NIV7 R QSA ? QRK ? K
 QSA ? QRK ? K (1714z)
 HIY9 DE .V7R QSA ? QRK ? K
 VVVVVVVVVV EE
 TBPC TBPC TBPC QTR 1915 K

3780 kHz, 25-03, 1815 UTC

2LXT DE 9VAW QSA 2 QSA ? K
 QSA 3 R K
 2LXT DE FXTB QSA 3 QSA ? K
 QAAJ R K
 2LXT DE 8TN1 QSA 2 EEEEE
 2LXT DE 8TN1 QSA 2 QSA ? K
 QSA 2 R K



M32a
Russian Navy
Voyenno-Morskoy Flot Rossii

3797 kHz, 02-03, 1630 UTC

RIC87 DE RCV QTC 144 15 2 1334 144 =
 NAWIP 031 521 OTM 031 908/13031 2789/13 POLU\ONII IM 1630/15 UNIO OTM (Cont'd)

3531 kHz, 02-03, 2104 UTC, i.p.

RCV DE RFH71 QYT ... (Novocherkassk Amphibious Landing ship)

RCV OK QYT 4 QMO K

RFH71 R K

GN

10543 kHz, 12-03, 1015 UTC

RIP90 (x3) DE RCV (x2) QTC 255 135 5 1403 255 =

NAWAREA 032 60 KARTY 33202 32204 93241 GRECI\A STRELXBY PO 31 DEK

5391 kHz, 12-03, 1323 UTC

RMUE DE RJS OK QAP K

RMUE SK

6450 kHz, 25-03, 1006 UTC

RGT36 DE RMW56 ZSA ? K

RGT36 DE RMW56 ZSA ? K

RGT38 DE RMW56 ZSA ?

RMW56 DE RGT38 ZSA 3 K

RGT38 DE RMW56 ZSA 4 K

RGT48 DE RMW56 ZSA ? K

RMW56 DE RGT48 ZSA 3 ZSA ? K

RGT48 DE RMW56 ZSA 4 K

RGT49 DE RMW56 ZSA ? K

RGT49 DE RMW56 ZSA ? K

RMW56 DE RGT49 ZSA 3 ZSA ? K

RGT49 DE RMW56 ZSA 3 K

RJV63 DE RMW56 ZSA ? K

RJV63 DE RMW56 ZSA 3 K

**M32b****Russian Naval Aviation****Aviatsiya Voenno-morskogo Flota Rossii****8816 kHz, 10-03**

0745 UTC 10399 QTH 6607 3914 QTR 0744 QBG 3900 QRE XLAA 0815

0818 UTC 10399 QQM XLAA 0817

0855 UTC 26402 QQL ULPE 0853 QBD 4300 QBG 5800

0946 UTC 10399 QTO 0940 QRD XLWF XLAA QRE1110 QBD 10700

0950 UTC 26402 QTH 6117 3700 QTR 0947 QBD 3400

1030 UTC 10399 QQL ULAR 1027 QBG 4250 QRE XLWF 1100

1045 UTC 26402 QTH 5706 3743 QTR 1043 QBD 2600 QBG 5500 QRE XUMO 1120

1103 UTC 10399 QQM XLWF 1103

1116 UTC 26402 QQM XUMO 1115

1316 UTC 26402 QTO 1305 QRD XRKE XUMO QRE 1605 QBD 4300

1322 UTC 10399 QTO 1305 QRD XUMO XLWF QRE 1415 QBD 13000

1411 UTC 10399 QQM XUMO 1411

1414 UTC 26402 QAY UUOO 1411 QBD 3600 QBG 4800

1509 UTC 26402 QQL XRRO 1503 QBD 2800 QRE XRKE 1600

1557 UTC 26402 QQM XRKE 1557

8816 kHz, 11-03

1157 UTC 10399 QTO 1143 QRD XLLP XUMO QRE 1330 QBD 16000

1236 UTC 10399 QTH 5809 3422 QTR 1235 QBG 6700 QRE XLLP 1315

1318 UTC 10399 QQM XLLP 1318

1630 UTC 10399 QTO 1621 QRD XLWF XLLP QRE 1730 QBD 11600

1722 UTC 10399 QQM XLWF 1722

8816 kHz, 25-03

0655 UTC 26402 QAY XLPB 0653 QBD 3200
 0743 UTC 26402 QQL ULWC 0739 QRE XUMO 0840
 0851 UTC 26402 QQM XUMO 0851
 1008 UTC 26402 QTO 0956 QRD XRAK XUMO QRE 1300 QBD 5400
 1052 UTC 26402 QTH 5223 3856 QTR 1051 QBG 5800
 1126 UTC 26402 QQL XUOI 1123 QBD 3800
 1210 UTC 26402 QQL URWW 1206 QRE XRAK 1305
 1305 UTC 26402 QQM XRAK 1305
 1320 UTC 26402 QTO 1315 QRD XRAP XRAK QRE 1350 QBD 2400
 1340 UTC 26402 QQM XRAP 1340
 1511 UTC 26402 QTO 1456 QRD XUMO XRAP QRE 1820 QBD 5400
 1602 UTC 26402 QQL URWW 1601 QBG 5500
 1656 UTC 26402 QQL XUOI 1655 QBD 3350
 1746 UTC 26402 QTH 5414 3854 QTR 1746 QRE XUMO 1830
 1827 UTC 26402 QQM XUMO 1826



M32c
Russian Air Force
Voyenno-vozdushnye sily Rossii

8029 kHz, 18-03, 0700 UTC W-markers
 8170 kHz, 18-03, 0828 UTC Tu-95MS Bear H net air end: TRL5 DE H6V4 QTC K
 8029 kHz, 18-03, 0827 UTC Tu-95MS Bear H net NCS: H6V4 DE TRL5 QRV K
 Aircraft sending 3 figure message. Control having difficulty trying to copy/receipt.
 8029 kHz, 18-03, 0840 UTC W-markers & Z-markers
 8029 kHz, 19-03, 0640 UTC R-markers
 8029 kHz, 20-03, 0852 UTC NGT5 DETRL5 = 728 949 256 710 294 818 QSA2 C? K
 8029 kHz, 20-03, 1038 UTC D2WD DE TRL5 QRV K
 8170 kHz, 20-03, 1038 UTC D2WD = 059 438 230 481 714 K
 TRL5 = 059 438 230 481 715 C ? K
 D2WD = 059 438 230 481 714 K
 TRL5 = 059 438 230 481 714 C ? K
 8170 kHz, 20-03, 1041 UTC TRL5 DE MGTH QTC K
 8029 kHz, 20-03, 1043 UTC MGTH DE TRL5 QRV K
 MGTH = 458 438 2.4 137 982 K
 TRL5 = 458 438 224 137 982 C ? K
 C K
 8029 kHz, 21-03, 0920 UTC W-markers
 8029 kHz, 24-03, 0900 UTC W-markers
 8029 kHz, 25-03, 0800 UTC W-markers
 8029 kHz, 26-03, 0900 UTC W-markers
 8029 kHz, 26-03, 1421 UTC W-markers
 8029 kHz, 31-03, 0640 UTC W-markers



EMERGENCY ACTION MESSAGES & SKYKING MESSAGES

Frequencies: 8992, 13200 kHz

17-03, 1548 UTC Mainsail 30 chr EAM DE7ZKT HXBYSETAAKQQ2ZEIWQKB4BFU
17-03, 1550 UTC Mainsail 30 chr EAM S3NFVT B4F5I7SPM5PFWYWTMMV455W
17-03, 1552 UTC Mainsail 30 chr EAM S3MM6H FHNNEEF33RE4NUIV72WJD3V2
27-03, 1042 UTC Mainsail Skyking JZX 42 OE
27-03, 1055 UTC Mainsail 30 chr EAM S365DF KJVJIEWNOFINEJU52FQ5VDZ5
27-03, 1133 UTC Mainsail Skyking 05P 33 UI
27-03, 1340 UTC Mainsail 30 chr EAM DEOQ4U 6FFRSRKXVWXI5RY3GRGPT4HB
27-03, 1414 UTC Mainsail Skyking XCM 14 PA
27-03, 1453 UTC Mainsail 30 chr EAM DEJBZ5 K3P5U3KRATMYNYFWRAYIYJAX
27-03, 1439 UTC Mainsail Skyking K24 39 KO
27-03, 1450 UTC Mainsail 30 chr EAM For Free Spirit For Spot Ball DEWG6D XEEXYO32U5HEVZAUYL3Q6LM
27-03, 1511 UTC Mainsail Test count 12345 54321
27-03, 1533 UTC Mainsail 30 chr EAM S3YCPN 2AGPPQSC5EWMRGQSOEJP5YCG
27-03, 1538 UTC Mainsail 30 chr EAM S3MQNK DRH4AWZ6RCR43AMQ5RQB7NWR
27-03, 1554 UTC Mainsail 30 chr EAM DEU4OB J5LULHDNWZL2N6F2XRZPJ5N
27-03, 1600 UTC Mainsail 30 chr EAM S3MQNK DRH4AWZ6RCR43AMQ5RQB7NWR
27-03, 1602 UTC Mainsail 30 chr EAM S3YCPN 2AGPPQSC5EWMRGQSOEJP5YCG
27-03, 1605 UTC Mainsail 30 chr EAM S3IAB2 FH7R2LWSUYK4G44S4NHYMCE3
27-03, 1616 UTC Mainsail 30 chr EAM S3D5RR Q4ESR4W4673PW72WHE67NXSB
27-03, 1839 UTC Mainsail Skyking BKV 39 TE
28-03, 0845 UTC Mainsail Skyking VBH 45 AG
28-03, 0855 UTC Mainsail Skyking 2Y2 55 HH
28-03, 1210 UTC Mainsail Skyking OX4 10 PU
28-03, 2117 UTC Mainsail Skyking 5CH 17 NL
29-03, 0738 UTC Mainsail Skyking PGH 38 JR
29-03, 0816 UTC Mainsail Skyking 3CC 16 LC
29-03, 1525 UTC Mainsail 30 chr EAM 54LRUX SYMJ2AL2EG36KQFD6CCV3NBF
29-03, 1530 UTC Mainsail 30 chr EAM 545LCE JAV4AKBXURG5B6NCNVQR52H3
29-03, 1550 UTC Mainsail 30 chr EAM 54JZN3 ZDBUIQ4R3GODOC2CONFIRMNI
29-03, 1548 UTC Mainsail 30 chr EAM 54CVBQ WULHEKY73FMW6HX5Y7ULU3JX
30-03, 0626 UTC Mainsail Skyking Z4Y 26 ON
30-03, 0741 UTC Mainsail Skyking STR 41 NT
30-03, 0826 UTC Mainsail Skyking EB3 26 VA
30-03, 0831 UTC Mainsail Skyking 7X3 31 OH
30-03, 0831 UTC Mainsail Skyking WGQ 31 OH
30-03, 0904 UTC Mainsail Skyking EB3 04 GA
30-03, 1009 UTC Mainsail Test count 12345 54321
30-03, 1107 UTC Mainsail Skyking APT 07 KH
30-03, 1142 UTC Croughton Test count 12345 5432
30-03, 1302 UTC Mainsail Skyking MO3 20 KC
30-03, 1402 UTC Mainsail 30 chr EAM 54PZES FVDR2IQOUSRCGVYDPIHX3NR5
30-03, 1514 UTC Mainsail 30 chr EAM 54QNTX Z4C6OYCGUBHK2MUNHAYF3LXR
30-03, 1520 UTC Mainsail 30 chr EAM 54D5SJ GTS24W62EURVXGVL33VGM3TG
30-03, 1536 UTC Mainsail 30 chr EAM For Strike cell P3EEEX WR22JBI6GW5LXJX4P3LPQP3N
30-03, 1542 UTC Mainsail 30 chr EAM 54WQYO 5DKADY2BGAY5I4MAGZIGTTBY
30-03, 1552 UTC Mainsail EAM 54DDVA disregard. Mainsail out
30-03, 1554 UTC Mainsail 30 chr EAM 54DDVA DV3TSO27PY3IQKNLRMRHUKHB
30-03, 1559 UTC Mainsail 30 chr EAM 54RHPV GG2QCD5XKGQGO4QWFXLKXTVG
30-03, 1616 UTC Mainsail 54 chr EAM P3U2V7 VDOVZQA3HQCKAM6FNAD6VNAD6S66YNQSGWGHBWOCUZI4LYRMY
30-03, 1644 UTC Mainsail 30 chr EAM P3VHDK 4YHZ67R6ARQ35VB3XEAHV47H
30-03, 1700 UTC Mainsail 30 chr EAM 54OFBG A344MPG23L3XWZSQNR6V63JJ
30-03, 1717 UTC Mainsail 30 chr EAM 542WY3 LQWHHJHDCYJ7UINOAWATENV

30-03, 1858 UTC Mainsail 114 chr EAM TALC3I XD7RXI3VCOHM2NLRCVVIIGCLVV7RWW6MIWJ7RUFHGWEEKM6T2YQXIG
AKLLS6Y7K UXTN EGF772Z DXFXBYX4XBVIICG5VAALLLVLDNLAPMYQC

31-03, 0621 UTC Mainsail Skyking EC5 21 IZ

31-03, 0718 UTC Mainsail Skyking FXZ 18 HH

31-03, 1052 UTC Mainsail Skyking Q2H 52 YU

31-03, 1127 UTC Mainsail Skyking VRR 27 PR

31-03, 1509 UTC Mainsail 30 chr EAM P3E3E7 CIQW3KNNDWIUMBP2L4AXI5UH

31-03, 1513 UTC Mainsail 30 chr EAM P3EUM7 QJ6NOIARWAHRDMNNULU32654

31-03, 1524 UTC Mainsail 30 chr EAM 54MOYI 56GNL5G2LC2AVEUTATGAXLDL

31-03, 1541 UTC Mainsail 30 chr EAM 54E2FN DB4UMTM5SKEKWH57DJFU7UI7

31-03, 1601 UTC Mainsail 30 chr EAM 545PZE BMOCPLL2QSCRCTEB7EKADDQS

31-03, 1602 UTC Mainsail 30 chr EAM 54E2FN DB4UMTM5SKEKWH57DJFU7UI7

31-03, 1744 UTC Mainsail 30 chr EAM 545PZE BMOCPLL2QSCRCTEB7EKADDQS

31-03, 1745 UTC Mainsail 30 chr EAM 54E2FN DB4UMTM5SKEKWH57DJFU7UI7

31-03, 1924 UTC Mainsail Skyking 6PG 24 NL

31-03, 2055 UTC Mainsail Skyking 447 55 CK

31-03, 2109 UTC Mainsail Skyking RJY 09 BO

LOGS SECTION

The logs are sorted on Code, date and time.

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
3531	---	2-3	2109	Mon	VVV 3PS 3PS 3PS DE 6CE 6CE QRU K. 99? 0998 SK	CW	(JPL-Sib)
3790	ARM	1-3	1714	Sun	Armenian Air Defense	USB	(AB)
19772	CHN	12-2	0104		Chinese diplo. YWZS DE RZYV followed by 4+4 traffic	4+4 QPSK 75/3000 LSB	(EW)
22213	CHN	27-2	0642		Chinese diplo. MDTC DE GVXE followed by 4+4 traffic	4+4 QPSK 75/3000 LSB	(EW)
21854	CHN	4-3	0705	Wed	Chinese diplo.	4+4 QPSK 75/3000 LSB	(EW)
20870	DPRK	4-3	0810	Wed	North Korean diplo	DPRK-ARQ 600/600 LSB	(EW)
19719	DPRK	7-3	0835	Sat	North Korean diplo	DPRK-ARQ 600/600 LSB	(EW)
18850	DPRK	7-3	0856	Sat	North Korean diplo	DPRK-ARQ 600/600 LSB	(EW)
13850	DPRK	31-3	0655	Tue	North Korean Diplo	DPRK-ARQ 600/600 LSB	(AAI)
5186	E06	5-3	2030	Thu	891 237 20 37893	USB	(HFD)
16230	E06	6-3	0600	Fri	864 397 102 76311	USB	(HFD)
19325	E06	6-3	0700	Fri	864	USB	(HFD)
5197	E06	6-3	2130	Fri	634 921 20 14259	USB	(HFD)
5197	E06	6-3	2136	Fri	634 921 20 14259 22676 ... (old msg from last year)	USB	(Danix)
16230	E06	19-3	0600	Thu	864 397 102 76311 78952 62488 ... 55526 34683 53944 00000	USB	(AB)
5186	E06	19-3	2030	Thu	891 237 20 37839 35787 98273 ... 60491 75924 04594 237 20 00000	USB	(MPJ)
9273	E07	2-3	2000	Mon	288 0	AM	(HFD)
7873	E07	2-3	2020	Mon	288 0	AM	(HFD)
7516	E07	5-3	2110	Thu	584 0	AM	(HFD)
5836	E07	5-3	2130	Thu	584 0	AM	(HFD)
7873	E07	9-3	2020	Mon	288 1 830 57 24046 76980 11286 ... 86712 13297 36727 000 000	AM	(GHn)
13439	E07	11-3	1800	Wed	417 1 665 50 62598	AM	(HFD)
12139	E07	11-3	1820	Wed	417 1	AM	(HFD)
10739	E07	11-3	1840	Wed	417 1	AM	(HFD)
9273	E07	23-3	2000	Mon	288 1 550 38 11958 92676 09448 45465 63412 ...,62079 63120 86354 05407 13397 000 000	AM	(MPJ)
7873	E07	23-3	2020	Mon	288 1 550 38 11958 92676 09448 45465 63412 ...,62079 63120 86354 05407 13397 000 000	AM	(MPJ)
6873	E07	23-3	2040	Mon	288 1 550 38 11958 92676 09448 45465 63412 ...,62079 63120 86354 05407 13397 000 000	AM	(MPJ)
13439	E07	25-3	1800	Wed	417 1 273 89 13676 13952 34016 ... 13692 82653 83291 000 000	AM	(AB)
12139	E07	25-3	1820	Wed	417 1 273 89 13676 13952 34016 ... 13692 82653 83291 000 000	AM	(AB)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
10739	E07	25-3	1840	Wed	417 1 273 89 13676 13952 34016 ... 13692 82653 83291 000 000	AM	(AB)
5877	E07a	4-3	2100	Wed	825 0	USB	(HFD)
5277	E07a	4-3	2120	Wed	825 0	USB	(HFD)
11473	E07a	6-3	1610	Fri	413 0	USB	(HFD)
11473	E07a	6-3	1610	Fri	413 413 413 000	USB	(GHn)
10173	E07a	6-3	1630	Fri	413 0	USB	(HFD)
11133	E07a	7-3	0900	Sat	114 0	USB	(HFD)
12133	E07a	7-3	0920	Sat	114 0	USB	(HFD)
5877	E07a	11-3	2100	Wed	825 1 67178 7120 93 78727 01611 78454 ... 90704 98889 59704 000 000	USB	(GHn)
11473	E07a	13-3	1610	Fri	413 1 33037 1740 61 38606 91783 32201 ... 92317 59812 05313 000 000	USB	(AB/MPJ)
10173	E07a	13-3	1630	Fri	413 1 33037 1740 61 38606 91783 32201 ... 92317 59812 05313 000 000	USB	(AB/MPJ)
9373	E07a	13-3	1650	Fri	413 1 33037 1740 61 38606 91783 32201 ... 92317 59812 05313 000 000	USB	(AB/MPJ)
6922	E07a	19-3	0530	Thu	913 1 38278 487 79 60350 54561 93087 ... 13444 54040 71872 000 000	USB	(AB)
9322	E07a	19-3	0610	Thu	913 1 38278 487 79 60350 54561 93087 ... 13444 54040 71872 000 000	USB	(KC2TTK)
11473	E07a	20-3	1610	Fri	413 413 423 000	USB	(GHn)
11473	E07a	27-3	1930	Fri	413 413 413 000	USB	(GHn)
11133	E07a	29-3	0900	Sun	114 114 114 000	USB	(AB)
12133	E07a	29-3	0920	Sun	114 114 114 000	USB	(AB)
11450	E11	1-3	0805	Sun	311/00	USB	(HFD)
15915	E11	1-3	1540	Sun	228/00	USB	(HFD)
8186	E11	1-3	2005	Sun	363/00	USB	(HFD)
6304	E11	2-3	0450	Mon	416/00	USB	(HFD)
9960	E11	2-3	0820	Mon	438/00	USB	(AB)
9960	E11	2-3	0820	Mon	438/00	USB	(HFD)
10690	E11	2-3	0830	Mon	649/00	USB	(HFD)
9399	E11	2-3	0900	Mon	534/00	USB	(HFD)
14575	E11	3-3	0745	Tue	335/00	USB	(HFD)
7449	E11	3-3	1045	Tue	469/00	USB	(HFD)
8102	E11	3-3	1047	Tue	576/00	USB	(HFD)
7850	E11	4-3	0315	Wed	253/00	USB	(HFD)
8803	E11	4-3	0930	Wed	270/00	USB	(HFD)
15915	E11	4-3	1155	Wed	718/00	USB	(HFD)
10800	E11	5-3	0645	Thu	517/00	USB	(HFD)
8803	E11	5-3	0930	Thu	270/00	USB	(HFD)
15915	E11	5-3	1155	Thu	718/00	USB	(HFD)
7377	E11	6-3	2000	Fri	576/00	USB	(MPJ)
4909	E11	7-3	1445	Sat	287/00	USB	(HFD)
10213	E11	7-3	1705	Sat	392/00	USB	(HFD)
8186	E11	7-3	2005	Sat	363/00	USB	(GHn)
8186	E11	8-3	2005	Sun	363/00	USB	(GHn)
10213	E11	9-3	0745	Mon	262/00	USB	(HFD)
15915	E11	11-3	0545	Wed	348/00	USB	(HFD)
10690	E11	13-3	0830	Fri	649/00	USB	(AB)
8186	E11	14-3	2005	Sat	363/00	USB	(GHn)
11450	E11	18-3	0805	Wed	311/00	USB	(AB)
9399	E11	18-3	0900	Wed	534/00	USB	(AB)
14575	E11	19-3	0745	Thu	335/00	USB	(AB)
9960	E11	19-3	0820	Thu	435/34 Attention 22608 42386 00235 ... 44678 26385 04431 Attention, rpt msg, out	USB	(AB)
10330	E11	19-3	1530	Thu	262/00	USB	(GHn)
9371	E11	19-3	1730	Thu	363/00	USB	(GHn)
7377	E11	20-3	2000	Fri	576/00	USB	(GHn/MPJ)
13455	E11	21-3	1810	Sat	980/10 Attention 72332 86189 88502 49290 34736 48152 62248 01993 36388 20503 At- tention, rpt msg, out	USB	(GHn)
8186	E11	21-3	2005	Sat	367/32 Attention 20095 87561 03907 ... 00195 70625 54930 Attention, rpt msg, out	USB	(GHn)
10213	E11	23-3	0745	Mon	262/00	USB	(AB)
9960	E11	23-3	0820	Mon	438/00	USB	(AB)
15915	E11	25-3	1155	Wed	718/00	USB	(AB)
15632	E11	25-3	1300	Wed	133/00	USB	(AB)
10213	E11	25-3	1705	Wed	392/00	USB	(AB)
8803	E11	26-3	0930	Thu	270/00	USB	(AB)
10330	E11	26-3	1530	Thu	262/00	USB	(AB)
9371	E11	26-3	1730	Thu	416/00	USB	(GHn)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
7377	E11	27-3	2000	Fri	576/00	USB	(GHn)
10213	E11	28-3	1705	Sat	392/00	USB	(AB/GHn)
10800	E11	31-3	0645	Tue	517/00	USB	(AB)
10221	E11	31-3	0710	Tue	633/00	USB	(AB)
7449	E11	31-3	1045	Tue	469/00	USB	(AB)
8102	E11	31-3	1045	Tue	576/00	USB	(AB)
15632	E11	31-3	1300	Tue	133/00	USB	(GHn/MPJ)
13375	E11a	2-3	1110	Mon	951/23 76153	USB	(HFD)
15915	E11a	2-3	1540	Mon	224/30 Attention 84021 73528 44933 57429 02362 ... 23951 69370 15490 97713 88560	USB	(MPJ)
15915	E11a	2-3	1540	Mon	224/30 84021	USB	(HFD)
5194	E11a	2-3	1710	Mon	955/20 92604	USB	(HFD)
4298	E11a	2-3	1905	Mon	121/25 Attention 39343 49672 74174 ... 21565 83283 22350 Attention, rpt msg, out	USB	(Danix)
5176	E11a	2-3	1925	Mon	121/25 Attention 39343 49672 74174 ... 21565 83283 22350 Attention, rpt msg, out	USB	(Danix)
10221	E11a	3-3	0710	Tue	636/34 38468	USB	(HFD)
15632	E11a	3-3	1300	Tue	133/30 41083	USB	(HFD)
13375	E11a	3-3	1404	Tue	late start	USB	(HFD)
13455	E11a	3-3	1810	Tue	983/10 Attention 20912 08011 05373 15938 84050 71457 60067 44413 63553 40951 At- tention, rpt msg, out	USB	(GHn)
13455	E11a	3-3	1810	Tue	983/10 20192	USB	(HFD)
10330	E11a	5-3	1530	Thu	264/31 13256	USB	(HFD)
10213	E11a	7-3	0530	Sat	983/10 41438	USB	(HFD)
13375	E11a	7-3	1400	Sat	986/10 Attention 12948 55395 92786 49472 28698 69574 55126 53815 31057 09060 + (07Mar15) (MPJ)	USB	(MPJ)
6304	E11a	9-3	0450	Mon	416/31 Attention 43998 72653 95603 ... 55902 61108 21300 Attention, rpt msg, out	USB	(AB)
10213	E11a	10-3	0530	Tue	980/10 Attention 58755 11740 45551 97056 98215 70144 44669 79603 51046 70094 At- tention, rpt msg, out	USB	(AB)
8102	E11a	10-3	1045	Tue	571/35 Attention 61721 81790 37491 ... 45753 83834 83897 Attention, rpt msg, out	USB	(AB)
13375	E11a	10-3	1400	Tue	981/10 Attention 64719 73327 01906 90798 00482 87201 52818 98129 15600 82679 At- tention, rpt msg, out	USB	(AB)
10213	E11a	11-3	1705	Wed	392/33 Attention 99691 04695 40433 ... 57909 67813 00200 Attention, rpt msg, out	USB	(GHn)
9371	E11a	12-3	1730	Thu	416/31 43998	USB	(HFD)
13375	E11a	13-3	1110	Fri	952/31 Attention 70685 18053 08220 ... 69663 02933 18403 Attention, rpt msg, out	USB	(AB)
5194	E11a	13-3	1710	Fri	953/21 Attention 71953 23547 09361 ... 25704 82248 71738 Attention, rpt msg, out	USB	(AB/MPJ)
7377	E11a	13-3	2000	Fri	571 35 61721	USB	(HFD)
7377	E11a	13-3	2000	Fri	571/35 Attention 61721 81790 37491 69277 60015 ... 96170 58351 45753 83834 83897 Attention, rpt msg, out	USB	(MPJ)
11450	E11a	25-3	0805	Wed	315/38 Attention ...	USB	(AB)
7449	E11a	25-3	1045	Wed	460/30 Attention 72081 94831 88703 ... 02501 29155 84421 Attention, rpt msg, out	USB	(AB)
14575	E11a	26-3	0745	Thu	333/32 Attention 85074 ...	USB	(AAI)
10690	E11a	27-3	0830	Fri	640/32 Attention 23642 99115 37021 ... 51183 47143 70011 Attention, rpt msg, out	USB	(AB)
13375	E11a	27-3	1110	Fri	956/32 Attention 01817 01046 04747 ... 77825 60684 91719 Attention, rpt msg, out	USB	(AB)
5194	E11a	27-3	1710	Fri	959/25 Attention 41081 52681 96968 ... 83377 50170 71851 Attention, rpt msg, out	USB	(AB)
11450	E11a	29-3	0805	Sun	315/38 Attention 74495 40862 94595 ... 00854 43854 18809 Attention, rpt msg, out	USB	(AB)
13375	E11a	31-3	1400	Tue	982/10 Attention 14591 21505 49049 76970 45547 79459 06020 23317 60884 85066 At- tention, rpt msg, out	USB	(GHn/MPJ)
13455	E11a	31-3	1810	Tue	983/10 Attention 80758 25470 32730 27155 47046 15482 45670 23425 88509 67588 At- tention, rpt msg, out	USB	(GHn/MPJ)
14260	E17z	5-3	0800	Thu	674 803 5 38034	USB	(HFD)
12930	E17z	5-3	0810	Thu	674	USB	(HFD)
20086.7	EGY	7-3	0806	Sat	MFA Cairo	SITOR-A 100/170	(EW)
18046.8	EGY	31-3	1205	Tue	MFA Cairo, msg to Islamabad Embassy	SITOR-A 100/170	(AAI)
4632	G06	2-3	1700	Mon	248 137 66 91336	USB	(HFD)
5380	G06	2-3	1800	Mon	248 137 66 91336	USB	(HFD)
5915	G06	4-3	1200	Wed	248 137 56 91336	USB	(HFD)
5458	G06	4-3	1300	Wed	248 137 56 91336	USB	(HFD)
5934	G06	12-3	1830	Thu	579	USB	(HFD)
5442	G06	13-3	1929	Fri	947 215 20 06132 75514 79681 94217 21443 31441 81797 17512 62689 33103 48930 93432 25719 93628 48683 18809 85052 49870 63962 04884 215 20 000	USB	(MPJ/HFD)
5442	G06	13-3	1930	Fri	947 015 #0 36130	USB	(HFD)
5442	G06	27-3	1930	Fri	947 215 20 06132 75514 79681 ... 49870 63962 04884 215 20 00000	USB	(GHn)
10715	HM01	1-3	2111	Sun	56044 81626 14127 42314 86585 66864	AM/RDFT	(DSch)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
9330	HM01	2-3	0700	Mon	56044 81626 14127 42314 86585 66864	AM/RDFT	(AB)
9065	HM01	2-3	0800	Mon	56044 81626 14127 42314 86585 66864	AM/RDFT	(AB)
11435	HM01	2-3	1644	Mon	56045 81627 14128 42315 86586 66865	AM/RDFT	(DSch)
11530	HM01	2-3	1735	Mon	56045 81627 14128 42315 86586 66865	AM/RDFT	(DSch)
11635	HM01	2-3	1800	Mon	56045 81627 14128 42315 86586 66865	AM/RDFT	(DSch)
11635	HM01	2-3	2106	Mon	56045 81627 14128 42315 86586 66865	AM/RDFT	(DSch)
10715	HM01	2-3	2200	Mon	56045 81627 14128 42315 86586 66865	AM/RDFT	(DSch)
11635	HM01	3-3	0759	Tue	56045 81627 14128 42315 86586 66865	AM/RDFT	(AB)
7340	HM01	3-3	1010	Tue	mixed with S06s	AM/RDFT	(HFD)
11635	HM01	3-3	1811	Tue	56046 81628 13661 42316 86587 66866	AM/RDFT	(DSch)
16180	HM01	3-3	2059	Tue	56046 24310 13661 42316 86587 66866	AM/RDFT	(DSch)
17480	HM01	3-3	2201	Tue	56046 24310 13661 42316 86587 66866	AM/RDFT	(DSch)
11435	HM01	5-3	1605	Thu	56048 24312 13662 10351 35361 66868	AM/RDFT	(DSch)
11530	HM01	5-3	1700	Thu	56048 24312 13662 10351 35361 66868	AM/RDFT	(DSch)
11635	HM01	5-3	1800	Thu	56048 24312 13662 10351 35361 66868	AM/RDFT	(DSch)
16180	HM01	5-3	2113	Thu	36170 24312 13662 10351 35361 66868	AM/RDFT	(DSch)
17480	HM01	5-3	2212	Thu	36170 24312 13662 10351 35361 66868	AM/RDFT	(DSch)
11435	HM01	6-3	1559	Fri	36171 2313 13663 10351 35361 66869	AM/RDFT	(DSch)
11530	HM01	6-3	1658	Fri	36171 2313 13663 10351 35361 66869	AM/RDFT	(DSch)
11635	HM01	6-3	1800	Fri	36171 2313 13663 10351 35361 66869	AM/RDFT	(DSch)
11635	HM01	6-3	2103	Fri	36171 2313 13663 10351 35361 66869	AM/RDFT	(DSch)
10715	HM01	6-3	2158	Fri	36171 2313 13663 10351 35361 66869	AM/RDFT	(DSch)
11435	HM01	7-3	1600	Sat	36172 24314 13664 10352 35362 57841	AM/RDFT	(DSch)
11530	HM01	7-3	1659	Sat	36172 24314 13664 10352 35362 57841	AM/RDFT	(DSch)
11635	HM01	7-3	1759	Sat	36172 24314 13664 10352 35362 57841	AM/RDFT	(DSch)
16180	HM01	7-3	2101	Sat	36172 24314 13664 10352 35362 57841	AM/RDFT	(DSch)
17480	HM01	7-3	2158	Sat	36172 24314 13664 10352 35362 57841	AM/RDFT	(DSch)
11435	HM01	8-3	1607	Sun	36173 24315 13665 10353 35363 57841	AM/RDFT	(DSch)
11530	HM01	8-3	1655	Sun	36173 24315 13665 10353 35363 57841	AM/RDFT	(DSch)
11635	HM01	8-3	1755	Sun	36173 24315 13665 10353 35363 57841	AM/RDFT	(DSch)
11635	HM01	8-3	2104	Sun	36173 24315 13665 10353 35363 57841	AM/RDFT	(DSch)
10715	HM01	8-3	2158	Sun	36173 24315 13665 10353 35363 57841	AM/RDFT	(DSch)
11435	HM01	9-3	1610	Mon	36174 24316 13666 10354 35364 57842	CW	(JPL-Sib)
11530	HM01	9-3	1658	Mon	36174 24316 13666 10354 35364 57842	CW	(JPL-Sib)
11635	HM01	9-3	1834	Mon	36174 24316 13666 10354 35364 57842	CW	(JPL-Sib)
11635	HM01	9-3	2104	Mon	36174 24316 13666 10354 35364 57842	CW	(JPL-Sib)
10715	HM01	9-3	2248	Mon	36174 24316 13666 10354 35364 57842	CW	(JPL-Sib)
11435	HM01	10-3	1558	Tue	36175 24317 13667 10355 35365 57843	AM/RDFT	(DSch)
11530	HM01	10-3	1701	Tue	36175 24317 13667 10355 35365 57843	AM/RDFT	(DSch)
11635	HM01	10-3	1759	Tue	36175 24317 13667 10355 35365 57843	AM/RDFT	(DSch)
16180	HM01	10-3	2100	Tue	36175 24317 13667 10355 35365 57843	AM/RDFT	(DSch)
11435	HM01	12-3	1600	Thu	36176 24318 13668 10356 35366 57844	AM/RDFT	(DSch)
11635	HM01	12-3	1813	Thu	36176 24318 13668 10356 35366 57844	AM/RDFT	(DSch)
16180	HM01	12-3	2100	Thu	05610 24318 13668 10356 35366 57844	AM/RDFT	(DSch)
17480	HM01	12-3	2200	Thu	05610 24318 13668 10356 35366 57844	AM/RDFT	(DSch)
9330	HM01	13-3	0703	Fri	05610 24318 13668 10356 35366	AM/RDFT	(AAI)
11435	HM01	13-3	1600	Fri	Running two signals at same time. One signal off. 05611 10601 35361 10357 35367 57845 at 1601 UTC. Starts again at 131658. Now off at 131709	AM/RDFT	(DSch)
11530	HM01	13-3	1714	Fri	Late start. 05611 10601 35361 10357 35367 57845	AM/RDFT	(DSch)
11635	HM01	13-3	2106	Fri	05611 10601 35361 10357 35367 57845	AM/RDFT	(DSch)
10715	HM01	13-3	2200	Fri	05611 10601 35361 10357 35367 57845	AM/RDFT	(DSch)
11435	HM01	14-3	1602	Sat	05612 10601 35361 10358 831 57846	AM/RDFT	(DSch)
11530	HM01	14-3	1602	Sat	05612 10601 35361 10358 831 57846	AM/RDFT	(DSch)
16180	HM01	14-3	1602	Sat	05612 10601 35361 10358 831 57846	AM/RDFT	(N2UHC/DSch)
17480	HM01	14-3	1602	Sat	05612 10601 35361 10358 831 57846	AM/RDFT	(DSch)
11635	HM01	14-3	1602	Sat	05612 10601 35361 10358 831 57846	AM/RDFT	(DSch)
11435	HM01	15-3	1556	Sun	05613 10602 35362 10359 23831 57847	AM/RDFT	(DSch)
11530	HM01	15-3	1713	Sun	05613 10602 35362 10359 23831 57847	AM/RDFT	(DSch)
11635	HM01	15-3	1830	Sun	05613 10602 35362 10359 23831 57847	AM/RDFT	(DSch)
11635	HM01	15-3	2109	Sun	05613 10602 35362 10359 23831 57847	AM/RDFT	(DSch)
10715	HM01	15-3	2154	Sun	05613 10602 35362 10359 23831 57847	AM/RDFT	(DSch)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
11435	HM01	16-3	1559	Mon	05614 10603 35363 57671 23832 14031 The 6th voice group was 14031, the printed file number details were 14103-03162109-81211403,TXT	AM/RDFT	(DSch)
11530	HM01	16-3	1729	Mon	05614 10603 35363 57671 23832 14031 The 6th voice group was 14031, the printed file number details were 14103-03162109-81211403,TXT	AM/RDFT	(DSch)
11635	HM01	16-3	1803	Mon	05614 10603 35363 57671 23832 14031 The 6th voice group was 14031, the printed file number details were 14103-03162109-81211403,TXT	AM/RDFT	(DSch)
11635	HM01	16-3	2109	Mon	05614 10603 35363 57671 23832 14031 The 6th voice group was 14031, the printed file number details were 14103-03162109-81211403,TXT	AM/RDFT	(DSch)
10715	HM01	16-3	2244	Mon	05614 10603 35363 57671 23832 14031 The 6th voice group was 14031, the printed file number details were 14103-03162109-81211403,TXT	AM/RDFT	(DSch)
11435	HM01	17-3	1558	Tue	05615 10604 35364 57671 23833 14031 (They still have not spotted their error in the 6th group)	AM/RDFT	(DSch)
11530	HM01	17-3	1659	Tue	05615 10604 35364 57671 23833 14031 (They still have not spotted their error in the 6th group)	AM/RDFT	(DSch)
11635	HM01	17-3	1812	Tue	05615 10604 35364 57671 23833 14031 (They still have not spotted their error in the 6th group)	AM/RDFT	(DSch)
11435	HM01	18-3	1600	Wed	05616 10605 35365 57672 23834 14032	AM/RDFT	(DSch)
11530	HM01	18-3	1659	Wed	05616 10605 35365 57672 23834 14032	AM/RDFT	(DSch)
11635	HM01	18-3	1759	Wed	05616 10605 35365 57672 23834 14032	AM/RDFT	(DSch)
11635	HM01	18-3	2104	Wed	05616 10605 35365 57672 23834 14032	AM/RDFT	(DSch)
11435	HM01	19-3	1619	Thu	85760 10606 35366 57673 23835 14033	AM/RDFT	(DSch)
11530	HM01	19-3	1659	Thu	85760 10606 35366 57673 23835 14033	AM/RDFT	(DSch)
11635	HM01	19-3	1759	Thu	85760 10606 35366 57673 23835 14033	AM/RDFT	(DSch)
16180	HM01	19-3	2111	Thu	85760 10606 35366 57673 23835 14033	AM/RDFT	(DSch)
17480	HM01	19-3	2201	Thu	85760 10606 35366 57673 23835 14033	AM/RDFT	(DSch)
11435	HM01	20-3	1559	Fri	85761 51381 35367 57674 23836 14034	AM/RDFT	(DSch)
11530	HM01	20-3	1659	Fri	85761 51381 35367 57674 23836 14034	AM/RDFT	(DSch)
11635	HM01	20-3	1809	Fri	85761 51381 35367 57674 23836 14034	AM/RDFT	(DSch)
11635	HM01	20-3	2100	Fri	85761 51381 35367 57674 23836 14034	AM/RDFT	(DSch)
10715	HM01	20-3	2209	Fri	85761 51381 35367 57674 23836 14034	AM/RDFT	(DSch)
11530	HM01	21-3	1553	Sat	85762 51382 35368 57675 23837 14035	AM/RDFT	(DSch)
11435	HM01	21-3	1553	Sat	85761 51381 35367 57674 23836 14034, stops and goes into new groups at 1559 UTC	AM/RDFT	(DSch)
11435	HM01	21-3	1559	Sat	85762 51382 35368 57675 23837 14035	AM/RDFT	(DSch)
11635	HM01	21-3	1804	Sat	85762 51382 35368 57675 23837 14035	AM/RDFT	(DSch)
16180	HM01	21-3	2107	Sat	85762 51382 35368 57675 23837 14035	AM/RDFT	(DSch)
17480	HM01	21-3	2159	Sat	85762 51382 35368 57675 23837 14035	AM/RDFT	(DSch)
11435	HM01	22-3	1559	Sun	85762 51382 35368 57675 23837 14035	AM/RDFT	(DSch)
11530	HM01	22-3	1659	Sun	85762 51382 35368 57675 23837 14035	AM/RDFT	(DSch)
11635	HM01	22-3	1804	Sun	85762 51382 35368 57675 23837 14035	AM/RDFT	(DSch)
11635	HM01	22-3	2100	Sun	85762 51382 35368 57675 23837 14035	AM/RDFT	(DSch)
10715	HM01	22-3	2206	Sun	85762 51382 35368 57675 23837 14035	AM/RDFT	(DSch)
11435	HM01	23-3	1559	Mon	85763 51383 35369 57576 23838 14036	AM/RDFT	(DSch)
11530	HM01	23-3	1729	Mon	85763 51383 35369 57576 23838 14036	AM/RDFT	(DSch)
11635	HM01	23-3	1804	Mon	85763 51383 35369 57576 23838 14036	AM/RDFT	(DSch)
11635	HM01	23-3	2059	Mon	85763 51383 35369 57576 23838 14036	AM/RDFT	(DSch)
10715	HM01	23-3	2200	Mon	85763 51383 35369 57576 23838 14036	AM/RDFT	(DSch)
11435	HM01	24-3	1558	Tue	85764 51384 87831 57677 18831 14037	AM/RDFT	(DSch)
11530	HM01	24-3	1659	Tue	85764 51384 87831 57677 18831 14037	AM/RDFT	(DSch)
11635	HM01	24-3	1808	Tue	85764 51384 87831 57677 18831 14037	AM/RDFT	(DSch)
16180	HM01	24-3	2103	Tue	85764 51384 87831 57677 18831 14037	AM/RDFT	(DSch)
17480	HM01	24-3	2210	Tue	85764 51384 87831 57677 18831 14037	AM/RDFT	(DSch)
11530	HM01	25-3	1708	Wed	85765 51385 87831 57678 18831 43711	AM/RDFT	(DSch)
11635	HM01	25-3	1802	Wed	85765 51385 87831 57678 18831 43711	AM/RDFT	(DSch)
11635	HM01	25-3	2100	Wed	85765 51385 87831 57678 18831 43711	AM/RDFT	(DSch)
10715	HM01	25-3	2200	Wed	85765 51385 87831 57678 18831 43711	AM/RDFT	(AB)
9330	HM01	27-3	0730	Fri	85766 51386 87832 57679 18832 43711	AM/RDFT	(AB)
9065	HM01	27-3	0800	Fri	85766 51386 87832 57679 18832 43711	AM/RDFT	(AB)
11435	HM01	27-3	1602	Fri	85767 51387 87833 84201 18833 43712	AM/RDFT	(DSch)
11530	HM01	27-3	1700	Fri	85767 51387 87833 84201 18833 43712	AM/RDFT	(DSch)
11635	HM01	27-3	1800	Fri	85767 39130 87833 84201 18833 43712	AM/RDFT	(DSch)
11635	HM01	27-3	2105	Fri	85767 39130 87833 84201 18833 43712	AM/RDFT	(DSch)
10715	HM01	27-3	2159	Fri	85767 39130 87833 84201 18833 43712	AM/RDFT	(DSch)
11435	HM01	28-3	1559	Sat	85768 39131 87834 84201 18834 43713	AM/RDFT	(DSch)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
11530	HM01	28-3	1659	Sat	85768 39131 87834 84201 18834 43713	AM/RDFT	(DSch)
11635	HM01	28-3	1759	Sat	85768 39131 87834 84201 18834 43713	AM/RDFT	(DSch)
16180	HM01	28-3	2059	Sat	85768 39131 87834 84201 18834 43713	AM/RDFT	(DSch)
17480	HM01	28-3	2159	Sat	85768 39131 87834 84201 18834 43713	AM/RDFT	(DSch)
10345	HM01	29-3	0628	Sun	85768 39131 87834 84201 18834 43713	AM/RDFT	(AB)
10345	HM01	29-3	0659	Sun	85768 39131 87834 84201 18834 43713 Should be on 9330 kHz; switch at 0705 UTC	AM/RDFT	(AB)
9330	HM01	29-3	0705	Sun	85768 39131 87834 84201 18834 43713 Late start	AM/RDFT	(AB)
9065	HM01	29-3	0759	Sun	85768 39131 87834 84201 18834 43713	AM/RDFT	(AB)
9240	HM01	29-3	0909	Sun	85768 39131 87834 84201 18834 43713	AM/RDFT	(AB)
11435	HM01	29-3	1559	Sun	85769 39132 87835 84202 18835 43714	AM/RDFT	(N2UHC/DSch)
11530	HM01	29-3	1659	Sun	85769 39132 87835 84202 18835 43714	AM/RDFT	(DSch)
11635	HM01	29-3	1815	Sun	85769 39132 87835 84202 18835 43714	AM/RDFT	(DSch)
11635	HM01	29-3	2059	Sun	85769 39132 87835 84202 18835 43714	AM/RDFT	(DSch)
10715	HM01	29-3	2248	Sun	85769 39132 87835 84202 18835 43714	AM/RDFT	(DSch)
11435	HM01	30-3	1559	Mon	Brief Radio Havana transmission then at 1559 UTX: 20821 39133 87836 84203 18836 43715	AM/RDFT	(DSch)
11530	HM01	30-3	1704	Mon	20821 39133 87836 84203 18836 43715	AM/RDFT	(DSch)
11635	HM01	30-3	1759	Mon	20821 39133 87836 84203 18836 43715	AM/RDFT	(DSch)
11635	HM01	30-3	2100	Mon	20821 39133 87836 84203 18836 43715	AM/RDFT	(DSch)
10715	HM01	30-3	2200	Mon	20821 39133 87836 84203 18836 43715	AM/RDFT	(DSch)
14375	HM01	31-3	0630	Tue	20821 39133 87836 84203 18836 43715 Should be on 9330 kHz	AM/RDFT	(AB)
11435	HM01	31-3	1559	Tue	20821 39134 87837 84204 18837 43716	AM/RDFT	(DSch)
11530	HM01	31-3	1729	Tue	20821 39134 87837 84204 18837 43716	AM/RDFT	(DSch)
11635	HM01	31-3	1809	Tue	20821 39134 87837 84204 18837 43716	AM/RDFT	(DSch)
16180	HM01	31-3	2100	Tue	20821 39134 87837 84204 18837 43716	AM/RDFT	(DSch)
17480	HM01	31-3	2236	Tue	20821 39134 87837 84204 18837 43716	AM/RDFT	(DSch)
5475	M01	3-3	1800	Tue	463 174 30 16442	MCW	(HFD)
5020	M01	5-3	2000	Thu	463 347 30 16442	MCW	(HFD)
6260	M01	7-3	1500	Sat	463 ... unreadable	CW	(MPJ)
6260	M01	7-3	1500	Sat	463 272 30 64726	MCW	(HFD)
5020.1	M01	19-3	2000	Thu	463 521 521 30 30 (no BTs) 32066 0599 31717 12340 05996... 76594 66329 31511 91508 35397 = = 521 521 30 30 000	CW	(MPJ)
6510	M01	22-3	0700	Sun	463 371 30 84765	MCW	(HFD)
5475	M01	31-3	1800	Tue	463 276 30 = = 21328 25466 72919 97424 53762 ... 32764 28325 01656 37112 37112 = = 276 30 000	CW	(MPJ)
3535	M01b	2-3	1910	Mon	420 426 62 87980 //4590	CW	(HFD)
3535	M01b	2-3	1910	Mon	420 426 62 = = 87980 51079 59304 72001 2_247 ... //4590 kHz	MCW	(MPJ)
4590	M01b	2-3	1910	Mon	420 426 62 = = 87980 51079 59304 72001 2_247 ... //3535 kHz	MCW	(MPJ)
4590	M01b	2-3	1910	Mon	420 426 62 87980 //3535	CW	(HFD)
3645	M01b	2-3	2015	Mon	771 426 62 = = 87980 51079 59304 72001 27247 ... //4455 kHz	MCW	(MPJ)
4454	M01b	2-3	2015	Mon	771 426 62 87980 //3644	CW	(HFD)
4455	M01b	2-3	2015	Mon	771 426 62 = = 87980 51079 59304 72001 27247 ... //3645 kHz	MCW	(MPJ)
3644	M01b	2-3	2015	Mon	771 426 62 87980 //4454	CW	(HFD)
4605	M01b	12-3	1932	Thu	201 883 47 49899 //3510	CW	(HFD)
3510	M01b	12-3	1932	Thu	201 883 47 49899 //4605	CW	(HFD)
4570	M01b	12-3	2042	Thu	477 883 47 = = 49899 99131 66049 38717 49846 ... 48356 88711 13614 22404 81701 = = 873 47 000 //3715 kHz	MCW	(MPJ)
3715	M01b	12-3	2042	Thu	477 883 47 = = 49899 99131 66049 38717 49846 ... 48356 88711 13614 22404 81701 = = 873 47 000 //4570 kHz	MCW	(MPJ)
4940	M01b	13-3	2002	Fri	153 883 47 49899	CW	(HFD)
3520	M01b	13-3	2110	Fri	153(!) 883 47 49899 ID should be 582 //4585	CW	(HFD)
4585	M01b	13-3	2110	Fri	153(!) 883 47 49899 ID should be 582 //3520	CW	(HFD)
3625	M01b	20-3	2002	Fri	153 883 47 = = 49899 99131 66049 38717 49846 ... 48356 88711 13614 22404 81701 = = 883 47 000	MCW	(MPJ)
4940	M01b	20-3	2002	Fri	153 883 47 49899 //3625	CW	(HFD)
3625	M01b	20-3	2002	Fri	153 883 47 49899 //4940	CW	(HFD)
4585	M01b	20-3	2110	Fri	582 //3520	CW	(HFD)
3520	M01b	20-3	2110	Fri	582 //4585	CW	(HFD)
3535	M01b	23-3	1910	Mon	420 883 883 47 47 = = 49899 99131 66049 38717 49846 ... (no more copied)	MCW	(MPJ)
4570	M01b	26-3	2042	Thu	477 883 47 = = 49899 99131 66049 38717 49846 ... 48356 88711 13614 22404 81701 = 883 47 000 //3715 kHz	CW	(MPJ)
4570	M01b	26-3	2042	Thu	477 883 47 49899 //3715	CW	(HFD)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
3715	M01b	26-3	2042	Thu	477 883 47 = 49899 99131 66049 38717 49846 ... 48356 88711 13614 22404 81701 = 883 47 000 //4570 kHz	CW	(MPJ)
3715	M01b	26-3	2042	Thu	477 883 47 49899 //4570	CW	(HFD)
3645	M01b	30-3	1915	Mon	771 = = 883 47 49899 99131 66049 38717 49846 ... 88711 13515 23614 22404 81701 = = 883 47 000 //4455 kHz	MCW	(MPJ)
4455	M01b	30-3	1915	Mon	771 = = 883 47 49899 99131 66049 38717 49846 ... 88711 13515 23614 22404 81701 = = 883 47 000 //3645 kHz	MCW	(MPJ)
9150	M03	1-3	1320	Sun	437/00	CW	(HFD)
13911	M03	1-3	1420	Sun	879/00	CW	(HFD)
5463	M03	2-3	1320	Mon	543/00	CW	(HFD)
13911	M03	20-3	1420	Fri	370/37 = 24707 79274 10513 ... 27554 96868 04962 = 870/37 = rpt msg = 000	CW	(AB/AAI)
5463	M03	25-3	1320	Wed	543/00 = 000	CW	(AB)
9150	M03	26-3	1320	Thu	437/00 = 000	CW	(AB)
7554	M08a	2-3	2004	Mon	Cuban cut nbrs	CW	(DSch)
8135	M08a	3-3	2305	Tue	Cuban cut nbrs. Late start	CW	(DSch)
8096	M08a	6-3	1359	Fri	Cuban cut nbrs	CW	(DSch)
7554	M08a	6-3	2005	Fri	Cuban cut nbrs	CW	(DSch)
8135	M08a	6-3	2306	Fri	Cuban cut nbrs	CW	(DSch)
8096	M08a	8-3	1427	Sun	Cuban cut nbrs	CW	(DSch)
8135	M08a	8-3	2309	Sun	Cuban cut nbrs	CW	(DSch)
8096	M08a	9-3	1409	Mon	Cuban cut nbrs	CW	(JPL-Sib)
8009	M08a	9-3	2258	Mon	Cuban cut nbrs: AWTGA NGDNN DNIUD	CW	(JPL-Sib)
8096	M08a	10-3	1403	Tue	Cuban cut nrs	CW	(DSch)
7554	M08a	10-3	2003	Tue	Cuban cut nbrs	CW	(DSch)
7554	M08a	12-3	2004	Thu	Cuban cut nbrs. Still going at 2109 UTC, off few mins later.	CW	(DSch)
8135	M08a	12-3	2250	Thu	Tuning followed by unid signal, then at 2259 UTC: IGWDA GNGRN TWDGA	CW	(DSch)
8096	M08a	14-3	1408	Sat	Cuban cut nbrs in CW 141408	CW	(DSch)
7554	M08a	14-3	2001	Sat	Cuban cut nrs	CW	(DSch)
8135	M08a	14-3	2300	Sat	Should be on 8009 kHz. Cuban cut nbrs	CW	(DSch)
8096	M08a	15-3	1415	Sun	Cuban cut nbrs starting late	CW	(DSch)
7554	M08a	16-3	2115	Mon	Cuban cut nbrs. Stopped at 2115 UTC	CW	(DSch)
8009	M08a	16-3	2304	Mon	Cuban cut nbrs	CW	(DSch)
8096	M08a	17-3	1411	Tue	Cuban cut nbrs. No callup, went into text	CW	(DSch)
7554	M08a	17-3	1958	Tue	Cuban cut nbrs: NTNUN DDRIA URTAN	CW	(DSch)
8135	M08a	17-3	2304	Tue	Cuban cut nbrs	CW	(DSch)
8096	M08a	18-3	1403	Wed	Cuban cut nbrs	CW	(DSch)
7554	M08a	18-3	2014	Wed	Cuban cut nbrs	CW	(DSch)
8009	M08a	18-3	2307	Wed	Cuban cut nbrs	CW	(DSch)
8096	M08a	19-3	1401	Thu	Cuban cut nbrs: RDNTN IUGDN TIDRN	CW	(DSch)
7554	M08a	19-3	1959	Thu	Cuban cut nbrs: DRIIA UTATN NDUDA	CW	(DSch)
8135	M08a	20-3	2300	Fri	YL/SS w/5F grps and Cuban cut nbrs in CW. Both at same time	CW	(DSch)
8096	M08a	21-3	1425	Sat	Cuban cut nbrs	CW	(DSch)
8009	M08a	23-3	2259	Mon	Cuban cut nbrs: UAGGA WUNAA RIWUN mixing with V02a YL/SS w/5FGs	CW	(DSch)
8096	M08a	24-3	1400	Tue	Cuban cut nbrs: INUIA GUITN RGAUN	CW	(DSch)
7554	M08a	24-3	2001	Tue	Cuban cut nbrs	CW	(DSch)
8135	M08a	24-3	2259	Tue	Cuban cut nbrs: DRTNN UTDWA WDRIN	CW	(DSch)
8096	M08a	25-3	1409	Wed	Cuban cut nbrs	CW	(AB)
8096	M08a	27-3	1407	Fri	Cuban cut nbrs. No callup	CW	(DSch)
7554	M08a	27-3	2023	Fri	Cuban cut nbrs	CW	(DSch)
8135	M08a	27-3	2305	Fri	Cuban cut nbrs. No callup	CW	(DSch)
8096	M08a	29-3	1402	Sun	Cuban cut nbrs: RIGMT ANDUW (only two addressees)	CW	(DSch)
7554	M08a	29-3	2011	Sun	Cuban cut nbrs: RIGMT ANDUW	CW	(DSch)
8096	M08a	30-3	1401	Mon	Cuban cut nbrs. Just one addressee: GNDIN	CW	(DSch)
7554	M08a	30-3	2027	Mon	Cuban cut nbrs	CW	(DSch)
8009	M08a	30-3	2321	Mon	Cuban cut nbrs	CW	(DSch)
7554	M08a	31-3	2001	Tue	Cuban cut nbrs	CW	(DSch)
5792	M12	2-3	0530	Mon	796 0	CW	(HFD)
6992	M12	2-3	0550	Mon	796 0	CW	(HFD)
11435	M12	2-3	1700	Mon	938 1 3086 114 60314 77900 72027 93513 49974 ... 42481 12105 30649 30173 25037 000 000	CW	(MPJ)
11435	M12	2-3	1700	Mon	938 1	CW	(HFD)
10598	M12	2-3	1720	Mon	938 1	CW	(HFD)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
10598	M12	2-3	1720	Mon	938 1 3086 114 60314 77900 72027 93513 49974 ... 42481 12105 30649 30173 25037 000 000	CW	(MPJ)
9327	M12	2-3	1740	Mon	938 1 3086 114 60314 77900 72027 93513 49974 ... 42481 12105 30649 30173 25037 000 000	CW	(MPJ)
9327	M12	2-3	1740	Mon	938 1	CW	(HFD)
8047	M12	2-3	1800	Mon	463 1	CW	(HFD)
8047	M12	2-3	1800	Mon	463 1 6293 143 07312 17215 46024 34625 49841 19479 ... 94094 67427 38019 06782 48995 000 000	CW	(MPJ)
6802	M12	2-3	1820	Mon	463 1	CW	(HFD)
6802	M12	2-3	1820	Mon	463 1 6293 143 07312 17215 46024 34625 49841 19479 ... 94094 67427 38019 06782 48995 000 000	CW	(MPJ)
5788	M12	2-3	1840	Mon	463 1	CW	(HFD)
5788	M12	2-3	1840	Mon	463 1 6293 143 07312 17215 46024 34625 49841 19479 ... 94094 67427 38019 06782 48995 000 000	CW	(MPJ)
9176	M12	2-3	1900	Mon	257 1 8393 116 63007 1318 34126 57558 61742 ... 53516 89599 43324 16157 86910 000 000	CW	(MPJ)
7931	M12	2-3	1920	Mon	257 1 8393 116 63007 1318 34126 57558 61742 ... 53516 89599 43324 16157 86910 000 000	CW	(MPJ)
6904	M12	2-3	1940	Mon	257 1 8393 116 63007 1318 34126 57558 61742 ... 53516 89599 43324 16157 86910 000 000	CW	(MPJ)
10343	M12	3-3	1930	Tue	124 1	CW	(HFD)
9264	M12	3-3	1950	Tue	124 1	CW	(HFD)
8116	M12	3-3	2010	Tue	124 1	CW	(HFD)
6784	M12	5-3	0730	Thu	761 0	CW	(HFD)
7684	M12	5-3	0750	Thu	761 0	CW	(HFD)
14769	M12	5-3	1010	Thu	721 0	CW	(HFD)
16269	M12	5-3	1030	Thu	721 0	CW	(HFD)
13386	M12	5-3	1700	Thu	725 1	CW	(HFD)
12189	M12	5-3	1720	Thu	725 1	CW	(HFD)
11491	M12	5-3	1740	Thu	725 1	CW	(HFD)
10343	M12	5-3	1800	Thu	124 1	CW	(HFD)
9264	M12	5-3	1820	Thu	124 1	CW	(HFD)
8116	M12	5-3	1840	Thu	124 1	CW	(HFD)
10343	M12	5-3	1900	Thu	124 1	CW	(HFD)
9264	M12	5-3	1920	Thu	124 1	CW	(HFD)
8116	M12	5-3	1940	Thu	124 1	CW	(HFD)
12214	M12	7-3	1310	Sat	282 0	CW	(HFD)
10814	M12	7-3	1330	Sat	282 282 282 000	CW	(MPJ)
10814	M12	7-3	1330	Sat	282 0	CW	(HFD)
15825	M12	11-3	0100	Wed	548 1 478 65 70408 07217 50216 42000 000 000	CW	(Dan)
9176	M12	11-3	1800	Wed	257 1	CW	(HFD)
7931	M12	11-3	1820	Wed	257 1	CW	(HFD)
6904	M12	11-3	1840	Wed	257 1	CW	(HFD)
8047	M12	11-3	1900	Wed	463 1	CW	(HFD)
6802	M12	11-3	1920	Wed	463 1	CW	(HFD)
11435	M12	11-3	1930	Wed	938 1	CW	(HFD)
5788	M12	11-3	1940	Wed	463 1	CW	(HFD)
10598	M12	11-3	1950	Wed	938 1	CW	(HFD)
9327	M12	11-3	2010	Wed	938 1	CW	(HFD)
5763	M12	11-3	2200	Wed	714 0	CW	(HFD)
5163	M12	11-3	2220	Wed	714 0	CW	(HFD)
10343	M12	12-3	1900	Thu	124 1	CW	(HFD)
9264	M12	12-3	1920	Thu	124 1	CW	(HFD)
8116	M12	12-3	1940	Thu	124 1	CW	(HFD)
9264	M12	19-3	1420	Thu	124 1 6116 119 55703 65070 82301 31204 10144 ... 87078 06618 47170 24334 57153 000 000	CW	(MPJ)
13386	M12	19-3	1700	Thu	725 1 1766 103 18191 56472 87682 34818 22394 ... 48831 09496 52416 89326 78437 000 000	CW	(MPJ)
12189	M12	19-3	1720	Thu	725 1 1766 103 18191 56472 87682 34818 22394 ... 48831 09496 52416 89326 78437 000 000	CW	(MPJ)
11491	M12	19-3	1740	Thu	725 1 1766 103 18191 56472 87682 34818 22394 ... 48831 09496 52416 89326 78437 000 000	CW	(MPJ)
10343	M12	19-3	1800	Thu	124 1 3551 142 40503 37656 17809 02625 31191 ... 00999 46897 66433 29079 12977 000 000	CW	(MPJ)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
9264	M12	19-3	1820	Thu	124 1 3551 142 40503 37656 17809 02625 31191 ... 00999 46897 66433 29079 12977 000 000	CW	(MPJ)
8116	M12	19-3	1840	Thu	124 1 3551 142 40503 37656 17809 02625 31191 ... 00999 46897 66433 29079 12977 000 000	CW	(MPJ)
8116	M12	19-3	1900	Thu	124 1 6116 119 55703 65070 82301 31204 10144 ... 87078 06618 47170 24334 57153 000 000	CW	(MPJ)
10343	M12	19-3	1900	Thu	124 1 6116 119 55703 65070 82301 31204 10144 ... 87078 06618 47170 24334 57153 000 000	CW	(MPJ)
10598	M12	23-3	1720	Mon	938 1 9878 108 03246 67100 49725 33653 56932 ... 87216 78776 04953 42367 00196 000 000	CW	(MPJ)
8047	M12	23-3	1800	Mon	463 1 1943 144 04259 74513 73936 45698 17574 ... 59997 81210 24233 54073 88435 000 000	CW	(MPJ)
6802	M12	23-3	1820	Mon	463 1 1943 144 04259 74513 73936 45698 17574 ... 59997 81210 24233 54073 88435 000 000	CW	(MPJ)
5788	M12	23-3	1840	Mon	463 1 1943 144 04259 74513 73936 45698 17574 ... 59997 81210 24233 54073 88435 000 000	CW	(MPJ)
9176	M12	23-3	1900	Mon	257 1 1645 110 16462 22212 04890 64574 04286 ... 50274 83647 04100 17361 96472 000 000	CW	(MPJ)
7931	M12	23-3	1920	Mon	257 1 1645 110 16462 22212 04890 64574 04286 ... 50274 83647 04100 17361 96472 000 000	CW	(MPJ)
6904	M12	23-3	1940	Mon	257 1 1645 110 16462 22212 04890 64574 04286 ... 50274 83647 04100 17361 96472 000 000	CW	(MPJ)
8158	M12	28-3	0600	Sat	126 1	CW	(HFD)
10658	M12	28-3	0640	Sat	126 1	CW	(HFD)
9258	M12	29-3	0620	Sun	126 1	CW	(HFD)
5788	M12	30-3	1840	Mon	463 1 2153 140 60211 19591 57122 99074 71890 ... 30435 31600 18273 79540 76466 000 000	CW	(MPJ)
9176	M12	30-3	1900	Mon	257 1 3069 109 88762 42073 87861 91988 07812 ... 70354 50640 84969 17251 89672 000 000	CW	(MPJ)
7931	M12	30-3	1920	Mon	257 1 3069 109 88762 42073 87861 91988 07812 ... 70354 50640 84969 17251 89672 000 000	CW	(MPJ)
6904	M12	30-3	1940	Mon	257 1 3069 109 88762 42073 87861 91988 07812 ... 70354 50640 84969 17251 89672 000 000	CW	(MPJ)
10343	M12	31-3	1930	Tue	124 1 6875 62 54068 46566 48895 58788 53172 ... 72928 88426 09997 80558 87277 000 000	CW	(MPJ)
9264	M12	31-3	1950	Tue	124 1 6875 62 54068 46566 48895 58788 53172 ... 72928 88426 09997 80558 87277 000 000	CW	(MPJ)
5944	M14	6-3	1700	Fri	382 0	CW	(HFD)
5477	M14	6-3	1800	Fri	382 0	CW	(HFD)
5946	M14	10-3	1820	Tue	346 129 020 23145	CW	(HFD)
5477	M14	20-3	1800	Fri	382 382 382 00000	MCW	(MPJ)
5464	M14	24-3	1920	Tue	537 916 020 13378	CW	(HFD)
18041	M14	25-3	0500	Wed	952 104 60 = 18346 74943 04946 ... 03504 64419 22173 = 104 60 00000	CW	(AB)
5430	M14	28-3	0800	Sat	171 823 20 35091	CW	(HFD)
4391	M21	1-3	2100	Sun	Russian Air Defence =990000??0?????	CW	(MPJ)
8457	M21	3-3	1151	Tue	=99?1449?9????? =99?1451?9?????	CW	(JPL-Sib)
4391	M21	3-3	1642	Tue	=991942??0?????	CW	(JPL-Sib)
3307	M21	3-3	1705	Tue	=99?2003?9?????	CW	(JPL-Sib)
3314	M21	7-3	2300	Sat	=990200??0????? =990201??0?????	CW	(JPL-Sib)
3160	M21	18-3	1803	Wed	PVO =992103??0?????	CW	(JPL-Sib)
3160	M21	24-3	1656	Tue	PVO =991956??0????? =991958??0?????	CW	(JPL-Sib)
7988.5	M21	29-3	1346	Sun	=99?1644?9?????, time is over 2 minutes off	CW	(Token)
7988	M21	30-3	1024	Mon	Russian Air Defense =99?1322?9?????	CW	(JPL-Sib)
3314	M21	31-3	1727	Tue	=992028??0????? =992029??0?????	CW	(JPL-Sib)
10414	M23	4-3	1042	Wed	i.p. 121 (x6)	CW	(JPL-Sib)
12736	M32	1-3	1215	Sun	xxx xxx 1qrf 1qrf 01271 androgenez 2730 3201 k	CW	(TJ)
12736	M32	1-3	1215	Sun	xxx xxx wegi wegi 44719 84421 androgenez 2730 3201 k	CW	(TJ)
18.1	M32	1-3	1215	Sun	xxx xxx 1qrf 1qrf 01271 androgenez 2730 3201 k //10155 kHz	CW	(TJ)
18.1	M32	1-3	1215	Sun	xxx xxx wegi wegi 44719 84421 androgenez 2730 3201 k //10155 kHz	CW	(TJ)
10155	M32	1-3	1215	Sun	xxx xxx wegi wegi 44719 84421 androgenez 2730 3201 k //18.1 kHz	CW	(TJ)
10155	M32	1-3	1215	Sun	xxx xxx 1qrf 1qrf 01271 androgenez 2730 3201 k //18.1 kHz	CW	(TJ)
12736	M32	1-3	1220	Sun	xxx xxx 1qrf 1qrf 69003 inohodx 7110 8527 k	CW	(TJ)
12736	M32	1-3	1220	Sun	xxx xxx rgt77 rgt77 03536 46021 inohodx 7110 8527 k	CW	(TJ)
10155	M32	1-3	1224	Sun	xxx xxx rgt77 rgt77 03536 46021 inohodx 7110 8527 k //18.1 kHz	CW	(TJ)
10155	M32	1-3	1224	Sun	xxx xxx 1qrf 1qrf 69003 inohodx 7110 8527 k //18.1 kHz	CW	(TJ)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
6928	M32	1-3	2205	Sun	14755 39134 20155 65955 ... 06542 61185 02026 QTC K. J5BB 308 27 2 0200 308 = 549 = PPPPP Z\OJGL ...	CW	(JPL-Sib)
3589	M32	4-3	1612	Wed	J9JE DE DPQN QTC K. J9JE QRV K. DPQD 290 22 4 1910 290 = 239 = 111111 76365 28006 42308 74552 (Cont'd)	CW	(JPL-Sib)
5835	M32	7-3	1029	Sat	FGCI DE Z7L5 K. R K. QFJ9 DE Z7L5 K. LACW DE Z7L5 K	CW	(JPL-Sib)
3584	M32	7-3	1438	Sat	66791 86850 55338 96797 08936 13818 78559 81135 40072 07022 RPT AL QLN AR	CW	(JPL-Sib)
8512	M32	8-3	0815	Sun	CPZZ 366 27 8 1112 366 = 330 = DDDDD \OWUSN DJGOF VLWEL EEVWN (Cont'd)	CW	(JPL-Sib)
3598	M32	8-3	2205	Sun	RFZP DE KDUT K. R K. PTEC DE KDUT K. R K. NIMU DE KDUT K. R K	CW	(JPL-Sib)
10653	M32	10-3	0922	Tue	XXX XXX MSK7 MSK7 61368 AJDYKULX 07 960381	CW	(JPL-Sib)
10653	M32	10-3	0923	Tue	XXX XXX MSK7 MSK7 61368 AJDYKULX 07 960381 K	CW	(JPL-Sib)
10653	M32	10-3	0924	Tue	XXX XXX MSK7 MSK7 50415 SUMAH 483 64042	CW	(JPL-Sib)
10653	M32	10-3	0925	Tue	XXX XXX MSK7 MSK7 50415 SUMAH 483 64042 K	CW	(JPL-Sib)
10653	M32	10-3	0926	Tue	XXX XXX MSK7 MSK7 57962 BRABRAK 954 24447	CW	(JPL-Sib)
10653	M32	10-3	0927	Tue	XXX XXX MSK7 MSK7 57962 BRABRAK 954 24447 K	CW	(JPL-Sib)
10653	M32	10-3	0928	Tue	XXX XXX MSK7 MSK7 88974 HLORETA MIN 82193294	CW	(JPL-Sib)
10653	M32	10-3	0929	Tue	XXX XXX MSK7 MSK7 88974 HLORETA MIN 82193294 K	CW	(JPL-Sib)
5472	M32	15-3	1512	Sun	TDMC DE XXDZ K. YLW1 DE XXDZ K. FNLZ DE XXDZ K. ELZ7 DE XXDZ. TAFH DE XXDZ K. F9E7 DE XXDZ K	CW	(JPL-Sib)
3826	M32	15-3	2330	Sun	QP9T DE C2FQ K. QP9T DE VEAE K. QP9T DE A6DQ K. QP9T DE SOCK K. QP9T DE N9S9 K	CW	(JPL-Sib)
10683	M32	16-3	1528	Mon	XXX XXX VN6B VN6B 98273	CW	(Faux)
18.1	M32	18-3	1816	Wed	Russian NDCC. rdl rdl rdl 11111 93528 36834 93689 93689 ... 94997 55294 48464 18t86 k	CW	(TJ)
18.1	M32	19-3	0734	Thu	Russian NDCC. xxx xxx tt tt tt tt (pause) uuu xxx xxx and into T600 50/75	CW	(TJ)
10683	M32	19-3	0804	Thu	Russian NDCC. xxx xxx vn6b vn6b 78075 li:man 0163 3114 k	CW	(TJ)
10683	M32	19-3	0825	Thu	Russian NDCC. xxx xxx nv6b vn6b 83766 wicedrin 0425 7026 k	CW	(TJ)
9068	M32	20-3	0816	Fri	Russian NDCC. xxx xxx rdl rdl 13199 18364 w ³ rm 1011 7135 k	CW	(TJ)
9068	M32	20-3	0817	Fri	Russian NDCC. xxx xxx rdl rdl 16103 63077 otlava 9110 7248 k	CW	(TJ)
18.1	M32	20-3	0940	Fri	Russian NDCC. xxx xxx rdl rdl 96486 amfibið 01 1075150 300 1206 k	CW	(TJ)
14664	M32	22-3	1244	Sun	XXX XXX RDL RDL 28382 68509 ELOMOK 4062 7400 K	CW	(Faux)
3806	M32	24-3	1644	Tue	HKKS R 63 K. OK QTC K. QRV K. IIMO 64 65 24 1900 64 =	CW	(JPL-Sib)
3282	M32	24-3	1702	Tue	1GTY DE MNLK R R K	CW	(JPL-Sib)
3594	M32	24-3	1711	Tue	QLK QLK QLK CGKO DE NIV7 R QSA? QRK? HIY9 DE .V7R QSA? QRK? K. TBPC TBPC TBPC QTR 1915 K	CW	(JPL-Sib)
3696	M32	31-3	1702	Tue	RJ76 DE QREK K	CW	(JPL-Sib)
6928	M32	31-3	1714	Tue	13907 18624 27137 68896 71351 31023 K	CW	(JPL-Sib)
10543	M32a	12-3	1015	Thu	RIP90 DE RCV QTC 255 135 5 1403 255 = NAWAREA 032 60 KARTY 33202 32204 93241 GRECI\A STRELXBY PO 31 DEK (Cont'd)	CW	(JPL-Sib)
5391	M32a	12-3	1323	Thu	RMUE DE RJS OK QAP K. RMUE SK	CW	(JPL-Sib)
6827	M32a	14-3	2209	Sat	RLO RLO RLO DE RIT RIT QTC 548 34 548 34 = RADIOPROGNOZ 15035 03003 30000 00001 00006 30009 ...	CW	(Danix)
8029	M32c	3-3	0600	Tue	W-markers: Tu-95MS Bear H net	CW	(Tom)
5620	M32c	4-3	0100	Wed	V-markers ends at 0300, then into W-marker	CW	(RJMh)
8029	M32c	4-3	0300	Wed	W-markers	CW	(RJMh)
8029	M32c	4-3	0620	Wed	W-markers: Tu-95MS Bear H net	CW	(Tom)
8029	M32c	4-3	1840	Wed	W-markers: Tu-95MS Bear H net	CW	(Tom)
5620	M32c	4-3	2313	Wed	Z-markers: Tu-95MS Bear H net	CW	(Tom)
5620	M32c	4-3	2331	Wed	Z-markers: Tu-95MS Bear H net	CW	(Tom)
8029	M32c	12-3	0700	Thu	W-markers: Tu-95MS Bear H net	CW	(Tom)
8029	M32c	12-3	1200	Thu	W-markers: Tu-95MS Bear H net	CW	(Tom)
8029	M32c	12-3	1920	Thu	W-markers: Tu-95MS Bear H net	CW	(Tom)
8029	M32c	16-3	0740	Mon	W-markers: Tu-95MS Bear H net	CW	(Tom)
8029	M32c	18-3	0700	Wed	W-markers: Tu-95MS Bear H net	CW	(Tom)
8029	M32c	18-3	0827	Wed	TRL5: Tu-95MS Bear H net NCS. H6V4 DE TRL5 QRV K	CW	(Tom)
8170	M32c	18-3	0828	Wed	H6V4: Tu-95MS Bear H net air end. TRL5 DE H6V4 QTC K	CW	(Tom)
8029	M32c	18-3	0840	Wed	W-markers: Tu-95MS Bear H net	CW	(Tom)
8029	M32c	19-3	0640	Thu	R-marker	CW	(kb7wox)
8029	M32c	20-3	0852	Fri	TRL5: Bear Net. NGT5 DE TRL5 = 728 949 256 710 294 818 QSA1? C? K	CW	(WP3)
8029	M32c	20-3	1038	Fri	D2WD DE TRL5 QRV K. 8170 D2WD = 059 438 230 481 714 K. TRL5 = 059 438 230 481 715 C? K	CW	(Tom)
8170	M32c	20-3	1041	Fri	TRL5 DE MGTH QTC K	CW	(Tom)
8029	M32c	20-3	1043	Fri	MGTH DE TRL5 QRV K. MGTH = 458 438 2.4 137 982 K. TRL5 = 458 438 224 137 982 C? K C K	CW	(Tom)
8029	M32c	21-3	0920	Sat	W-markers: Tu-95MS Bear H net	CW	(Tom)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
8029	M32c	24-3	0900	Tue	W-markers: Tu-95MS Bear H net	CW	(Tom)
8029	M32c	25-3	0800	Wed	W-markers: Tu-95MS Bear H net	CW	(Tom)
8029	M32c	26-3	0900	Thu	W-markers: Tu-95MS Bear H net	CW	(Tom)
8029	M32c	26-3	1421	Thu	W-markers: Tu-95MS Bear H net	CW	(kb7wox)
8029	M32c	31-3	0640	Tue	W-markers: Tu-95MS Bear H net	CW	(Tom)
6830	M42	25-2	1747		RNI6: Russian PtP station, callup: RRQ6 RRQ6 RRQ6 de RNI2 RNI2 into OOK	CW	(TJ)
18682	M42	5-3	1641	Thu	Russian diplo/intel. 16111 17820 11912 34505	Baudot 100/500	(MCO)
14399	M42	5-3	1705	Thu	Russian diplo/intel. 16111 17820 11912 34505	Baudot 100/500	(MCO)
20764	M42	11-3	1047	Wed	Russian diplo/intel. 5FGs to "GRV"	Baudot 75/500	(MCO)
10669	M42	13-3	0700	Fri	Russian diplo/intel. Msg 002 on link 45136	FSK 200/1000	(AB)
8091	M42	13-3	0710	Fri	Russian diplo/intel. Msg 002 on link 45136	FSK 200/1000	(AB)
6877	M42	13-3	0720	Fri	Russian diplo/intel. Msg 002 on link 45136	FSK 200/1000	(AB)
13376	M42	31-3	0840	Tue	Russian diplo	CROWD-36	(AAI)
9082	M42b	18-3	0807	Wed	Russian diplo/intel. W9SP DE LM7K RYRYRY 361 183 18 0800 5871 = 78840 92728 26731 90491 57632 58089 24519 04163 98776 73363 (=50= separator)	Baudot 50/500	(JPL-Sib)
18437	M42c	7-3	1300	Sat	Russian diplo/intel	FSK 200/500	(HFD)
16305	M42c	7-3	1310	Sat	Russian diplo/intel	FSK 200/500	(HFD)
14719	M42c	7-3	1320	Sat	Russian diplo/intel	FSK 200/500	(HFD)
14719	M42c	7-3	1320	Sat	Russian Diplo/Intel. 00000+++++++162)5761	FSK 200/500	(MPJ)
12184	M42c	7-3	1810	Sat	Russian diplo/intel. 00000+++++++162)5761	FSK 200/500	(Danix)
7602	M42c	12-3	2000	Wed	Russian diplo/intel	FSK 200/500	(HFD)
5756	M42c	12-3	2010	Thu	Russian diplo/intel	FSK 200/500	(HFD)
4469	M42c	12-3	2020	Thu	Russian diplo/intel	FSK 200/500	(HFD)
7601	M42c	19-3	2000	Thu	Russian Diplo/Intel 00000+++++++162)5761	FSK 200/500	(MPJ)
5756	M42c	19-3	2010	Thu	Russian Diplo/Intel 00000+++++++162)5761	FSK 200/500	(MPJ)
4467	M42c	19-3	2020	Thu	Russian Diplo/Intel 00000+++++++162)5761	FSK 200/500	(MPJ)
18435	M42c	28-3	1300	Sat	Russian diplo/intel. 00000+++++++162)5761	FSK 200/500	(AB)
16303	M42c	28-3	1310	Sat	Russian diplo/intel. 00000+++++++162)5761	FSK 200/500	(AB)
14717	M42c	28-3	1320	Sat	Russian diplo/intel. 00000+++++++162)5761	FSK 200/500	(AB)
12182	M42c	28-3	1810	Sat	Russian diplo/intel. 00000+++++++162)5761	FSK 200/500	(AB)
10290	M42c	28-3	1820	Sat	Russian diplo/intel. 00000+++++++162)5761	FSK 200/500	(AB)
8052	M42c	28-3	1830	Sat	Russian diplo/intel. 00000+++++++162)5761	FSK 200/500	(AB)
20896	M42d	1-3	1000	Sun	Russian diplo/intel. Msg 170 on link 45057	FSK 200/1000	(AB)
18427	M42d	1-3	1010	Sun	Russian diplo/intel. Msg 170 on link 45057	FSK 200/1000	(AB)
16151	M42d	1-3	1020	Sun	Russian diplo/intel. Msg 170 on link 45057	FSK 200/1000	(AB)
20436	M42d	1-3	1100	Sun	Russian diplo/intel. Msg 010 on link 36882	FSK 200/1000	(AB)
18911	M42d	1-3	1110	Sun	Russian diplo/intel. Msg 010 on link 36882	FSK 200/1000	(AB)
17427	M42d	1-3	1120	Sun	Russian diplo/intel. Msg 010 on link 36882	FSK 200/1000	(AB)
14351	M42d	1-3	1540	Sun	Russian diplo/intel. Msg 122 on link 20501	FSK 200/1000	(AB)
10671	M42d	2-3	0700	Mon	Russian diplo/intel. Msg 052 on link 45136	FSK 200/1000	(AB)
17409	M42d	3-3	1110	Tue	Russian diplo/intel. Carrier, no msg sent	FSK 200/1000	(AB)
14578	M42d	3-3	1120	Tue	Russian diplo/intel. Carrier, no msg sent	FSK 200/1000	(AB)
11426	M42d	3-3	1200	Tue	Russian diplo/intel. Msg 055 on link 45137	FSK 200/1000	(AB)
12152	M42d	3-3	1210	Tue	Russian diplo/intel. Msg 055 on link 45137	FSK 200/1000	(AB)
20621	M42d	5-3	1620	Thu	Russian diplo/intel. Tfc on link 36913	FSK 200/1000	(MCO)
20373	M42d	7-3	1510	Sat	Russian Diplo/Intel. Msg NR 002 on Link 32821: 34156 00000 00000 00316 13740 33025 00893 62083	FSK 200/1000	(MPJ)
18405	M42d	7-3	1520	Sat	Russian Diplo/Intel. Msg NR 002 on Link 32821: 34156 00000 00000 00316 13740 33025 00893 62083	FSK 200/1000	(MPJ)
10669	M42d	18-3	0700	Wed	Russian diplo/intel. Msg 102 on link 45136	FSK 200/1000	(AB)
8091	M42d	18-3	0710	Wed	Russian diplo/intel. Msg 102 on link 45136	FSK 200/1000	(AB)
6877	M42d	18-3	0720	Wed	Russian diplo/intel. Msg 102 on link 45136	FSK 200/1000	(AB)
14721	M42d	18-3	1250	Wed	Russian diplo/intel. Msg 002 on link 53277	FSK 200/1000	(AB)
10669	M42d	19-3	0700	Thu	Russian diplo/intel. Msg 105 on link 45136	FSK 200/1000	(AB)
8091	M42d	19-3	0710	Thu	Russian diplo/intel. Msg 105 on link 45136	FSK 200/1000	(AB)
6877	M42d	19-3	0720	Thu	Russian diplo/intel. Msg 105 on link 45136	FSK 200/1000	(AB)
11426	M42d	19-3	1200	Thu	Russian diplo/intel. Msg 105 on link 45136	FSK 200/1000	(AB)
8024	M42d	19-3	1210	Thu	Russian diplo/intel. Msg 105 on link 45136	FSK 200/1000	(AB)
6882	M42d	19-3	1220	Thu	Russian diplo/intel. Msg 105 on link 45136	FSK 200/1000	(AB)
17466	M42d	19-3	1330	Thu	Russian diplo/intel. Msg 047 on link 49237	FSK 200/1000	(AB)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
15857	M42d	19-3	1340	Thu	Russian diplo/intel. Msg 047 on link 49237	FSK 200/1000	(AB)
13469	M42d	19-3	1350	Thu	Russian diplo/intel. Msg 047 on link 49237	FSK 200/1000	(AB)
10669	M42d	20-3	0700	Fri	Russian diplo/intel. Msg 050 on link 45137	FSK 200/1000	(AB)
8091	M42d	20-3	0710	Fri	Russian diplo/intel. Msg 050 on link 45137	FSK 200/1000	(AB)
6877	M42d	20-3	0720	Fri	Russian diplo/intel. Msg 050 on link 45137	FSK 200/1000	(AB)
10359	M42d	24-3	1400	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB)
18236	M42d	24-3	1410	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB)
16237	M42d	24-3	1420	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB)
11127	M42d	24-3	1700	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
9242	M42d	24-3	1710	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
13384	M42d	24-3	1750	Tue	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
10699	M42d	25-3	0700	Wed	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
8091	M42d	25-3	0710	Wed	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
6877	M42d	25-3	0720	Wed	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
18429	M42d	25-3	0800	Wed	Russian diplo/intel. Msg 130 on link 45075	FSK 200/1000	(AB)
16276	M42d	25-3	0810	Wed	Russian diplo/intel. Msg 130 on link 45075	FSK 200/1000	(AB)
14421	M42d	25-3	0820	Wed	Russian diplo/intel. Msg 130 on link 45075	FSK 200/1000	(AB)
20959	M42d	25-3	1000	Wed	Russian diplo/intel. Msg 110 on link 49202	FSK 200/1000	(AB)
18551	M42d	25-3	1010	Wed	Russian diplo/intel. Msg 110 on link 49202	FSK 200/1000	(AB)
20567	M42d	25-3	1015	Wed	Russian diplo/intel. Msg 065 on link 20492	FSK 200/1000	(AB)
16262	M42d	25-3	1020	Wed	Russian diplo/intel. Msg 110 on link 49202	FSK 200/1000	(AB)
18234	M42d	25-3	1025	Wed	Russian diplo/intel. Msg 065 on link 20492	FSK 200/1000	(AB)
16146	M42d	25-3	1035	Wed	Russian diplo/intel. Msg 065 on link 20492	FSK 200/1000	(AB)
11426	M42d	25-3	1200	Wed	Russian diplo/intel. Msg 122 on link 45136	FSK 200/1000	(AB)
8024	M42d	25-3	1210	Wed	Russian diplo/intel. Msg 122 on link 45136	FSK 200/1000	(AB)
6882	M42d	25-3	1220	Wed	Russian diplo/intel. Msg 122 on link 45136	FSK 200/1000	(AB)
16047	M42d	26-3	0920	Thu	Russian diplo/intel. Msg 212 on link 16404	FSK 200/1000	(AB)
17466	M42d	26-3	1330	Thu	Russian diplo/intel. Msg 032 on link 49237	FSK 200/1000	(AB)
15857	M42d	26-3	1340	Thu	Russian diplo/intel. Msg 032 on link 49237	FSK 200/1000	(AB)
13469	M42d	26-3	1350	Thu	Russian diplo/intel. Msg 032 on link 49237	FSK 200/1000	(AB)
17435	M42d	28-3	0900	Sat	Russian diplo/intel. Msg 010 on link 45114	FSK 200/1000	(AB)
15831	M42d	28-3	0910	Sat	Russian diplo/intel. Msg 010 on link 45114	FSK 200/1000	(AB)
13513	M42d	28-3	0920	Sat	Russian diplo/intel. Msg 010 on link 45114	FSK 200/1000	(AB)
18946	M42d	28-3	1000	Sat	Russian diplo/intel. Msg 172 on link 45057	FSK 200/1000	(AB)
16221	M42d	28-3	1010	Sat	Russian diplo/intel. Msg 172 on link 45057	FSK 200/1000	(AB)
14637	M42d	28-3	1020	Sat	Russian diplo/intel. Msg 172 on link 45057	FSK 200/1000	(AB)
19532	M42d	28-3	1100	Sat	Russian diplo/intel. Msg 020 on link 36882	FSK 200/1000	(AB)
17485	M42d	28-3	1110	Sat	Russian diplo/intel. Msg 020 on link 36882	FSK 200/1000	(AB)
15871	M42d	28-3	1120	Sat	Russian diplo/intel. Msg 020 on link 36882	FSK 200/1000	(AB)
17435	M42d	29-3	0900	Sun	Russian diplo/intel. Msg 010 on link 45114	FSK 200/1000	(AB)
15831	M42d	29-3	0910	Sun	Russian diplo/intel. Msg 010 on link 45114	FSK 200/1000	(AB)
13513	M42d	29-3	0920	Sun	Russian diplo/intel. Msg 010 on link 45114	FSK 200/1000	(AB)
18946	M42d	29-3	1000	Sun	Russian diplo/intel. Msg 172 on link 45057	FSK 200/1000	(AB)
16221	M42d	29-3	1010	Sun	Russian diplo/intel. Msg 172 on link 45057	FSK 200/1000	(AB)
14637	M42d	29-3	1020	Sun	Russian diplo/intel. Msg 172 on link 45057	FSK 200/1000	(AB)
19532	M42d	29-3	1100	Sun	Russian diplo/intel. Msg 020 on link 36882	FSK 200/1000	(AB)
17485	M42d	29-3	1110	Sun	Russian diplo/intel. Msg 020 on link 36882	FSK 200/1000	(AB)
15871	M42d	29-3	1120	Sun	Russian diplo/intel. Msg 020 on link 36882	FSK 200/1000	(AB)
16032	M42d	29-3	1530	Sun	Russian diplo/intel. Msg 122 on link 20501	FSK 200/1000	(AB)
14351	M42d	29-3	1540	Sun	Russian diplo/intel. Msg 122 on link 20501	FSK 200/1000	(AB)
12193	M42d	29-3	1550	Sun	Russian diplo/intel. Msg 122 on link 20501	FSK 200/1000	(AB)
10669	M42d	31-3	0700	Tue	Russian diplo/intel. Msg 135 on link 45136	FSK 200/1000	(AB)
8091	M42d	31-3	0710	Tue	Russian diplo/intel. Msg 135 on link 45136	FSK 200/1000	(AB)
6877	M42d	31-3	0720	Tue	Russian diplo/intel. Msg 135 on link 45136	FSK 200/1000	(AB)
11426	M42d	31-3	1200	Tue	Russian diplo/intel. Msg 135 on link 45136	FSK 200/1000	(AB)
8024	M42d	31-3	1210	Tue	Russian diplo/intel. Msg 135 on link 45136	FSK 200/1000	(AB)
6882	M42d	31-3	1220	Tue	Russian diplo/intel. Msg 135 on link 45136	FSK 200/1000	(AB)
20539	M42d	31-3	1400	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB/MPJ)
18236	M42d	31-3	1410	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB)
16237	M42d	31-3	1420	Tue	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB/MPJ)
13386	M42d	31-3	1650	Tue	Russian Diplo/Intel. Msg 002 on Link 20501: 34157 00000 00000 02618 12857 35157 00893 59683	FSK 200/1000	(MPJ)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
11129	M42d	31-3	1700	Tue	Russian Diplo/Intel. Msg 002 on Link 20501: 34157 00000 00000 02618 12857 35157 00893 59683	FSK 200/1000	(MPJ)
11574.5	M51	1-3	1936	Sun	French Mil Intel = NR 10 ? 24 20:38:15 2015 =	CW	(Danix)
11574.5	M51	3-3	0724	Tue	French Mil Intel, nr Paris, = NR 36 M 03 07:24:37 2015 = HRMFV PFWSP	CW	(Danix)
7529	M51	5-3	1804	Thu	French Mil Intel = NR 29 M 05 18:04:28 2015 = TEMEZ ZCVON //6234.5 kHz	CW	(Danix)
6234.5	M51	5-3	1804	Thu	French Mil Intel = NR 29 M 05 18:04:28 2015 = TEMEZ ZCVON //7529 kHz	CW	(Danix)
5453	M51	7-3	2133	Sat	French Mil Intel = NR 07 M 04 22:34:08 2015 = ENSHH OHXUK	CW	(Danix)
8016	M51	8-3	1803	Sun	French Mil Intel = NR 66 M 03 19:02:15 2015 = //9213 kHz	CW	(Danix)
9213	M51	8-3	1803	Sun	French Mil Intel = NR 66 M 03 19:02:15 2015 = //8016 kHz	CW	(Danix)
3881	M51	9-3	1501	Mon	French Mil Intel = NR 71 M 09 16:01:48 2015 = //6825 kHz	CW	(Danix)
6825	M51	9-3	1501	Mon	French Mil Intel = NR 71 M 09 16:01:48 2015 = //3881 kHz	CW	(Danix)
8016	M51	10-3	1535	Tue	French Mil Intel = NR 31 M 10 16:34:44 2015 = //9213 kHz	CW	(Danix)
9213	M51	10-3	1535	Tue	French Mil Intel = NR 31 M 10 16:34:44 2015 = //8016 kHz	CW	(Danix)
4440.5	M51	20-3	1621	Fri	French Mil Intel. = NR 33 M 17 17:23:03 2015 =	CW	(Danix)
4440.5	M51	20-3	2013	Fri	= NR 71 M 1721:12:46 2015 = AWOSC URZSN SXURE TOFIT EKSWS ...	CW	(MPJ)
8618	M51	22-3	1554	Sun	French Mil Intel = NR 14 M 18 16:53:43 2015 = LBKPW CDJYG //9461 kHz	CW	(Danix)
9461	M51	22-3	1554	Sun	French Mil Intel = NR 14 M 18 16:53:43 2015 = LBKPW CDJYG //8618 kHz	CW	(Danix)
9213	M51	23-3	1352	Mon	French Mil Intel = NR 58 M 23 14:52:21 2015 = //9434 kHz	CW	(Danix)
9434	M51	23-3	1352	Mon	French Mil Intel = NR 58 M 23 14:52:21 2015 = //9213 kHz	CW	(Danix)
7437	M51	24-3	1629	Tue	French Mil Intel = NR 39 M 24 17:29:23 2015 = YXDSI XSJSW //5453 kHz	CW	(Danix)
5453	M51	24-3	1629	Tue	French Mil Intel = NR 39 M 24 17:29:23 2015 = YXDSI XSJSW //7437 kHz	CW	(Danix)
9213	M51	27-3	1402	Fri	French Mil Intel = NR 10 M 24 15:03:05 2015 = PFZAZ JANHH //8016 kHz	CW	(Danix)
8016	M51	27-3	1402	Fri	French Mil Intel = NR 10 M 24 15:03:05 2015 = PFZAZ JANHH //9213 kHz	CW	(Danix)
9213	M51	30-3	1552	Mon	French Mil Intel = NR 99 M 30 17:58:31 2015 = RRVBZ PZBAL ... //7529 kGz	CW	(Danix)
7529	M51	30-3	1552	Mon	French Mil Intel = NR 99 M 30 17:58:31 2015 = RRVBZ PZBAL ... //9213 kHz	CW	(Danix)
3330	M89	1-3	1241	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	1-3	1243	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
3777	M89	1-3	1244	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4678	M89	1-3	1244	Sun	i.p. IEC IEC BT 1405 AR IEC BT 1405 HR IDR MSG GA PSE PY	CW	(JPL)
4532	M89	1-3	1244	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3821	M89	1-3	1246	Sun	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
5644	M89	1-3	1246	Sun	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
7602	M89	1-3	1251	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	1-3	1251	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
9131	M89	1-3	2213	Sun	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
4225	M89	1-3	2239	Sun	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
6793	M89	1-3	2311	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //8060	CW	(JPL)
8060	M89	1-3	2311	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793	CW	(JPL)
4860	M89	1-3	2320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	1-3	2320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
5588	M89	2-3	1056	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
5644	M89	2-3	1059	Mon	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
5177	M89	2-3	1102	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
10180	M89	2-3	1104	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	2-3	1104	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
4532	M89	2-3	1106	Mon	i.p. III BT AAAN UA5T .DU7 .A53 4D7. .TD4 7A5. 75T. NNNN (see N&O 210)	CW	(JPL)
3330	M89	2-3	1140	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
8073	M89	2-3	1141	Mon	i.p. NR 194 CK 189 35 0302 1542 = (see N&O 210)	CW	(JPL)
5500	M89	2-3	1215	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
5644	M89	2-3	1217	Mon	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
3821	M89	2-3	1217	Mon	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
4860	M89	2-3	1220	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	2-3	1220	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
3777	M89	2-3	1229	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	2-3	1229	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3330	M89	2-3	1600	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	2-3	1602	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
3777	M89	2-3	1603	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	2-3	1603	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
5644	M89	2-3	1604	Mon	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
3821	M89	2-3	1604	Mon	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
4225	M89	2-3	1605	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
5678	M89	2-3	1609	Mon	i.p. 05 05 05 HR NR ..35 CK QS. QAL 0006 K HR NR 1RIIII	CW	(JPL)
6840	M89	2-3	1620	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	2-3	1620	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3330	M89	2-3	2047	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3777	M89	2-3	2048	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	2-3	2048	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3642	M89	2-3	2048	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
3821	M89	2-3	2050	Mon	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
5644	M89	2-3	2050	Mon	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
4225	M89	2-3	2051	Mon	i.p. AD5D A7DT A56T N3A7 A5D3 6U36 DT3D DA47 (Cont'd) AR	CW	(JPL)
3642	M89	2-3	2055	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	2-3	2055	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
4131	M89	2-3	2057	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
9131	M89	3-3	0030	Tue	i.p. 75598 FM 376668247..9 9EEEE = (see N&O 210)	CW	(JPL)
8110	M89	3-3	0103	Tue	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
8888	M89	3-3	0104	Tue	i.p. 6A7N 7N3U .5A 6D4N 6T5D 7A3U (see N&O 210)	CW	(JPL)
7602	M89	3-3	0118	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	3-3	0118	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
4131	M89	3-3	0119	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
10947	M89	3-3	0122	Tue	V DKSL (x3) DE ALSK (x2) (Cont'd) //9131	CW	(JPL)
9131	M89	3-3	0122	Tue	V DKSL (x3) DE ALSK (x2) (Cont'd) //10947	CW	(JPL)
9131	M89	3-3	0129	Tue	FM 824 0824 01 FM 299509824 540824 7689 AR	CW	(JPL)
5801	M89	3-3	0156	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	3-3	0156	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8527	M89	3-3	0159	Tue	CQ (x3) DE DP91 (x2) V HR NIL SK GB	CW	(JPL)
3777	M89	3-3	1140	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	3-3	1140	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
5177	M89	3-3	1141	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5801	M89	3-3	1146	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180 TUE	CW	(JPL)
10180	M89	3-3	1146	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
7706	M89	3-3	1155	Tue	IHWX DE VNVF K. HR MSG GA K (see N&O 210)	CW	(JPL)
5644	M89	3-3	1443	Tue	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
3330	M89	3-3	1631	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	3-3	1633	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
4532	M89	3-3	1634	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	3-3	1634	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
5644	M89	3-3	1635	Tue	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
3821	M89	3-3	1635	Tue	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
4131	M89	3-3	1640	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3330	M89	3-3	1706	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
9131	M89	4-3	0148	Wed	V DKSL (x3) DE ALSK (x2) (Cont'd) //10947	CW	(JPL)
10947	M89	4-3	0148	Wed	V DKSL (x3) DE ALSK (x2) (Cont'd) //9131	CW	(JPL)
3642	M89	4-3	0154	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
8527	M89	4-3	0159	Wed	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6456	CW	(JPL)
6456	M89	4-3	0159	Wed	CQ (x3) DE DP91 (x2) V (Cont'd) //8527	CW	(JPL)
6456	M89	4-3	0959	Wed	CQ (x3) DE DP91 (x2) V HR NIL SK GB	CW	(JPL)
6840	M89	4-3	1020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	4-3	1020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6838	M89	4-3	1025	Wed	i.p. DTT4 7NDA TU54 N454 N765 (see N&O 210)	CW	(JPL)
10180	M89	4-3	1037	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	4-3	1037	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10947	M89	4-3	1037	Wed	V DKSL (x3) DE ALSK (x2) (Cont'd) //9131	CW	(JPL)
9131	M89	4-3	1039	Wed	V DKSL (x3) DE ALSK (x2) (Cont'd) //10947	CW	(JPL)
5152	M89	4-3	1051	Wed	i.p. 64D3 UA5T 4UAN (see N&O 210)	CW	(JPL)
3777	M89	4-3	1100	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	4-3	1100	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
5588	M89	4-3	1102	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
5323	M89	4-3	1104	Wed	i.p. HR NR 46 K SK	CW	(JPL)
5332	M89	4-3	1110	Wed	i.p. QSA? K. R HR 3DSEEEE R HR WK NR 36 K. R NIL SK	CW	(JPL)
5177	M89	4-3	1113	Wed	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3330	M89	4-3	1616	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	4-3	1617	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
3642	M89	4-3	1617	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
4131	M89	4-3	1618	Wed	V JKDj (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4532	M89	4-3	1618	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
6840	M89	4-3	1620	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	4-3	1620	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3777	M89	4-3	1623	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
5644	M89	4-3	1625	Wed	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
3821	M89	4-3	1625	Wed	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
5644	M89	4-3	2201	Wed	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
3642	M89	4-3	2207	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	4-3	2207	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3777	M89	4-3	2209	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	4-3	2209	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3821	M89	4-3	2211	Wed	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
4131	M89	4-3	2212	Wed	V JKDj (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3336	M89	4-3	2226	Wed	i.p. RPT .7W BT .UT6A UT6A AR K (see N&O 210)	CW	(JPL)
3330	M89	5-3	1341	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3777	M89	5-3	1343	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	5-3	1343	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
5644	M89	5-3	1345	Thu	VVV HR SVC GA NR 020 2145 RMKS 7549 TO 2481/7545 (see N&O 210) //3821	CW	(JPL)
3821	M89	5-3	1345	Thu	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
4131	M89	5-3	1353	Thu	V JKDj (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5801	M89	5-3	1454	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	5-3	1454	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
3330	M89	5-3	1806	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	5-3	1807	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	5-3	1807	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3777	M89	5-3	1809	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	5-3	1809	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3821	M89	5-3	1810	Thu	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
5644	M89	5-3	1810	Thu	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
6840	M89	5-3	1820	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	5-3	1820	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
4131	M89	5-3	1826	Thu	V JKDj (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3642	M89	6-3	0015	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	6-3	0015	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
4131	M89	6-3	0017	Fri	V JKDj (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
6840	M89	6-3	0020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
10947	M89	6-3	0233	Fri	V DKSL (x3) DE ALSK (x2) (Cont'd) //9131	CW	(JPL)
9131	M89	6-3	0233	Fri	V DKSL (x3) DE ALSK (x2) (Cont'd) //10947	CW	(JPL)
6666	M89	6-3	0237	Fri	(i.p. RR F NR 21/EX 1034 RMKS 0276 TO 4221 = (see N&O 210)	CW	(JPL)
3330	M89	6-3	1103	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
10180	M89	6-3	1107	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
3777	M89	6-3	1109	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	6-3	1109	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3821	M89	6-3	1111	Fri	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
5644	M89	6-3	1111	Fri	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
8888	M89	6-3	1112	Fri	i.p. 34NA U5TT ADN5 3UDN 5773	CW	(JPL)
4860	M89	6-3	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	6-3	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
8073	M89	6-3	1136	Fri	BNGC (x3) DE XSV85 (x2) (see N&O 210)	CW	(JPL)
5177	M89	6-3	1313	Fri	V JKDj (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5319	M89	6-3	1316	Fri	i.p. 7TDU D6UN N354 3U7D (Cont'Ed) III = A5D. T6U3 (Cont'Ed)	CW	(JPL)
6320	M89	6-3	1323	Fri	i.p. 4WG BT DA5U 5W BT U34 UU4 A3N AR (see N&O 210)	CW	(JPL)
9131	M89	7-3	0131	Sat	V DKSL (x3) DE ALSK (x2) (Cont'd) //10947	CW	(JPL)
10947	M89	7-3	0131	Sat	V DKSL (x3) DE ALSK (x2) (Cont'd) //9131	CW	(JPL)
6793	M89	7-3	0136	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //N/H	CW	(JPL)
3642	M89	7-3	0138	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	7-3	0138	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
4131	M89	7-3	0139	Sat	V JKDj (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
8527	M89	7-3	0158	Sat	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6456	CW	(JPL)
6456	M89	7-3	0159	Sat	CQ (x3) DE DP91 (x2) V (Cont'd) //8527	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
6456	M89	7-3	1000	Sat	CQ (x3) DE DP91 (x2) V HR NIL SK GB //8527	CW	(JPL)
8527	M89	7-3	1000	Sat	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6456	CW	(JPL)
10180	M89	7-3	1030	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	7-3	1030	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10947	M89	7-3	1035	Sat	V DKSL (x3) DE ALSK (x2) (Cont'd) //9131	CW	(JPL)
9131	M89	7-3	1035	Sat	V DKSL (x3) DE ALSK (x2) (Cont'd) //10947	CW	(JPL)
5588	M89	7-3	1051	Sat	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
5644	M89	7-3	1103	Sat	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
3777	M89	7-3	1104	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	7-3	1104	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
6840	M89	7-3	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	7-3	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3821	M89	7-3	1125	Sat	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
5644	M89	7-3	1125	Sat	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
8073	M89	7-3	1132	Sat	BNGC (x3) DE XSV85 (x2) (see N&O 210)	CW	(JPL)
3330	M89	7-3	1443	Sat	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
5801	M89	7-3	1446	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	7-3	1446	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
3777	M89	7-3	1447	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	7-3	1447	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
4371	M89	7-3	1449	Sat	(i.p. 73NT 7A45 36A4 A734 4T6D AR QSL ? K (see N&O 210)	CW	(JPL)
4131	M89	7-3	1519	Sat	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
6840	M89	7-3	1520	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
7602	M89	7-3	1628	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	7-3	1628	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
3821	M89	7-3	1631	Sat	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
5644	M89	7-3	1631	Sat	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
4532	M89	7-3	1633	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
3777	M89	7-3	1635	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
3757	M89	7-3	1638	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	7-3	1638	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3757	CW	(JPL)
3330	M89	7-3	1647	Sat	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
6840	M89	7-3	1824	Sat	VVV Q2M Q2M Q2M DE NYZ NYZ	CW	(Danix)
7602	M89	7-3	2257	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	7-3	2257	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
3330	M89	7-3	2259	Sat	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
4532	M89	7-3	2303	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	7-3	2304	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4131	M89	7-3	2306	Sat	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
6421	M89	7-3	2310	Sat	V DKSL (x3) DE ALSK (x2) (Cont'd) //9131	CW	(JPL)
9131	M89	7-3	2310	Sat	V DKSL (x3) DE ALSK (x2) (Cont'd) //6421	CW	(JPL)
5588	M89	7-3	2312	Sat	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
6840	M89	7-3	2320	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
4860	M89	7-3	2320	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
5801	M89	8-3	0156	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	8-3	0156	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
8527	M89	8-3	0159	Sun	CQ (x3) DE DP91 (x2) V PSE PSE ALL LL LL TO TO HR HR //6456	CW	(JPL)
6456	M89	8-3	0159	Sun	CQ (x3) DE DP91 (x2) V (Cont'd) //8527	CW	(JPL)
9131	M89	8-3	0757	Sun	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
10180	M89	8-3	0802	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
10640	M89	8-3	0820	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	8-3	0820	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
6840	M89	8-3	1120	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	8-3	1120	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
10180	M89	8-3	1125	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
3777	M89	8-3	1127	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	8-3	1127	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
5644	M89	8-3	1128	Sun	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
3821	M89	8-3	1128	Sun	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
3330	M89	8-3	1129	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
8073	M89	8-3	1132	Sun	BNGC (x3) DE XSV85 (x2) (see N&O 210)	CW	(JPL)
5801	M89	8-3	1218	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
10180	M89	8-3	1218	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
4860	M89	8-3	1220	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	8-3	1220	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
5394	M89	8-3	1225	Sun	i.p. 7AT4 6D65 3UTD 7343 543A 7NAD AR AR AR OK OK	CW	(JPL)
3777	M89	8-3	1233	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	8-3	1233	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
5177	M89	8-3	1235	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4131	M89	8-3	1236	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5644	M89	8-3	1239	Sun	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
3821	M89	8-3	1239	Sun	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
7602	M89	8-3	1510	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	8-3	1510	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
5500	M89	8-3	1736	Sun	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
7602	M89	8-3	2210	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	8-3	2210	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
3330	M89	8-3	2211	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
4532	M89	8-3	2212	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	8-3	2212	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
5644	M89	8-3	2213	Sun	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
3821	M89	8-3	2213	Sun	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
4131	M89	8-3	2215	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4860	M89	8-3	2220	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	8-3	2220	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
10947	M89	9-3	0144	Mon	V DKSL (x3) DE ALSK (x2) (Cont'd) //9131	CW	(JPL)
9131	M89	9-3	0144	Mon	V DKSL (x3) DE ALSK (x2) (Cont'd) //10947	CW	(JPL)
8110	M89	9-3	0152	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
8060	M89	9-3	0155	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
8527	M89	9-3	0158	Mon	CQ (x3) DE DP91 (x2) V HR NIL SK NB //6456	CW	(JPL)
6456	M89	9-3	0203	Mon	CQ (x3) DE DP91 (x2) V HR NIL SK GB //8527	CW	(JPL)
5567	M89	9-3	0215	Mon	i.p. NR 254/EX CK .. 37 0309 102. RMKS 99.. TO .991 =	CW	(JPL)
5177	M89	9-3	1059	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5644	M89	9-3	1101	Mon	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
10180	M89	9-3	1104	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	9-3	1104	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
7511	M89	9-3	1111	Mon	i.p. TU43 74UU .U64 TD76 TA7A DD4U (see N&O 210)	CW	(JPL)
6840	M89	9-3	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	9-3	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
4532	M89	9-3	1123	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	9-3	1123	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
8073	M89	9-3	1140	Mon	BNGC (x3) DE XSV85 (x2) (see N&O 210)	CW	(JPL)
3330	M89	9-3	1317	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
4532	M89	9-3	1319	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	9-3	1319	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4860	M89	9-3	1320	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3821	M89	9-3	1320	Mon	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
5644	M89	9-3	1320	Mon	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
6840	M89	9-3	1320	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4131	M89	9-3	1323	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4340	M89	9-3	1325	Mon	i.p. BT 9973 AR K. WK NR AREEEEE R HR WK NR 27 K	CW	(JPL)
5324	M89	9-3	1452	Mon	i.p. 4FGs AR	CW	(JPL)
4225	M89	9-3	1825	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
3330	M89	9-3	1826	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	9-3	1827		V DK G6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	9-3	1827	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
4532	M89	9-3	1828	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	9-3	1828	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
3821	M89	9-3	1830	Mon	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
4131	M89	9-3	2053	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
10947	M89	10-3	0042	Tue	i.p. HR SVC GA NR 55 0830 RMKS 7549 TO 2836/2839 = (see N&O 210)	CW	(JPL)
7788	M89	10-3	0055	Tue	i.p. T47U ND45 NA57 D354 III = 47N3 4TT6 354U 5N6A (Cont'd)	CW	(JPL)
5177	M89	10-3	0147	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5801	M89	10-3	0148	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
10180	M89	10-3	0148	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
10210	M89	10-3	0150	Tue	i.p. R RPT 43W K R RPT 43W K (see N&O 210)	CW	(JPL)
8527	M89	10-3	0158	Tue	CQ (x3) DE DP91 (x2) V HR NIL SK GB	CW	(JPL)
6456	M89	10-3	0159	Tue	CQ (x3) DE DP91 (x2) V (Cont'd) //8527	CW	(JPL)
10728	M89	10-3	0203	Tue	i.p. AR K 4FGs R GA K R RPT 71W K R RPT 71W K	CW	(JPL)
10947	M89	10-3	0919	Tue	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
10340	M89	10-3	0932	Tue	i.p. 05 05 05 DS	CW	(JPL)
5801	M89	10-3	0936	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	10-3	0936	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
9393	M89	10-3	0938	Tue	i.p. QSA 1 IEC 4560 K RPT QSA 1 IEC 4560 K see N&O 210)	CW	(JPL)
8527	M89	10-3	0958	Tue	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6456	CW	(JPL)
3330	M89	10-3	1345	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3777	M89	10-3	1348	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	10-3	1348	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3821	M89	10-3	1349	Tue	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
3642	M89	10-3	1402	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	10-3	1402	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
4131	M89	10-3	1404	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4374	M89	10-3	1408	Tue	CQ (x3) DE DP4091 (x2) V NIL SK GB //8527	CW	(JPL)
4581	M89	10-3	1418	Tue	i.p. 3N46 ND6U 6A4U D74A U3D7 (Cont'd) AR AR OK K	CW	(JPL)
5557	M89	10-3	1424	Tue	i.p. MSG NR 12345678 CK 9012 3456 AR	CW	(JPL)
4608	M89	10-3	1424	Tue	i.p. DU6U 5543 NNA3 A6AA 7UNU UU3A (see N&O 210)	CW	(JPL)
5751	M89	10-3	1443	Tue	i.p. N53U N755 75UN 7D43 A4UN 35UD (see N&O 210)	CW	(JPL)
4623	M89	10-3	1503	Tue	(i.p. QRQ GA YR MSG AL GA EUX EIX 3433 (see N&O 210)	CW	(JPL)
5380	M89	10-3	1528	Tue	i.p. 33UU 6434 TTD. TU54 (Cont'd)	CW	(JPL)
4131	M89	10-3	1648	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5749	M89	10-3	1704	Tue	i.p. 3765 DA3T DUAN UD47 67UD 7DA5 (see N&O 210)	CW	(JPL)
5177	M89	11-3	1145	Wed	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5801	M89	11-3	1147	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	11-3	1147	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5644	M89	11-3	1149	Wed	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
4532	M89	11-3	1152	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
3330	M89	11-3	1812	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	11-3	1813	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	11-3	1813	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
5644	M89	11-3	1816	Wed	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
6840	M89	11-3	1820	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	11-3	1820	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
4131	M89	11-3	1822	Wed	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3777	M89	11-3	1835	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	11-3	1835	Wed	V M8JF DE RIS9 3TUU 46U4 54D4 77DD (see N&O 210) //3777	CW	(JPL)
9131	M89	12-3	0047	Thu	V DKSL (x3) DE ALSK (x2) (Cont'd) //10947	CW	(JPL)
10947	M89	12-3	0047	Thu	V DKSL (x3) DE ALSK (x2) (Cont'd) //9131	CW	(JPL)
6793	M89	12-3	0051	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
7602	M89	12-3	0056	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	12-3	0056	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
4131	M89	12-3	0059	Thu	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5081	M89	12-3	0059	Thu	VV F9TR DE HLU4 K	CW	(JPL)
5749	M89	12-3	0109	Thu	i.p. R RPT 99W TTUD TTUD K (see N&O 210)	CW	(JPL)
8527	M89	12-3	0158	Thu	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6456	CW	(JPL)
6456	M89	12-3	0200	Thu	CQ (x3) DE 91 (x2) V (Cont'd) //8527	CW	(JPL)
10180	M89	12-3	0213	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
9131	M89	12-3	0955	Thu	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
10180	M89	12-3	0956	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	12-3	0956	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10190	CW	(JPL)
6456	M89	12-3	0958	Thu	CQ (x3) DE DP91 (x2) V HR NIL SK GB //8527	CW	(JPL)
8527	M89	12-3	0958	Thu	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6456	CW	(JPL)
5566	M89	12-3	1024	Thu	i.p. 5374 U56D A4DN 47AD 6NU5 3AN6 (Cont'd) III III = =	CW	(JPL)
5588	M89	12-3	1029	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3777	M89	12-3	1030	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	12-3	1030	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
5555	M89	12-3	1034	Thu	i.p. RMKS CQ AR = = 5U64 U53N TA74 TA5T (Cont'd)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
3330	M89	12-3	1309	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	12-3	1311	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
4532	M89	12-3	1313	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	12-3	1313	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
3821	M89	12-3	1314	Thu	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
5644	M89	12-3	1314	Thu	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
4131	M89	12-3	1318	Thu	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4860	M89	12-3	1320	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	12-3	1320	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
5478	M89	12-3	1327	Thu	i.p. D643 DD43 7453 DD64 (Cont'd) PSE BGBB (see N&O 210)	CW	(JPL)
3642	M89	12-3	1641	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7622	M89	12-3	1641	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
5644	M89	12-3	1644	Thu	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
3777	M89	12-3	1645	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	12-3	1645	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	12-3	1730	Thu	i.p. UGT COMM = 874/6004/6545/03/13/0235/559/A/59/93 AR (see N&O 210)	CW	(JPL)
7602	M89	12-3	2422	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
5801	M89	13-3	0153	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10190	CW	(JPL)
10180	M89	13-3	0153	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5177	M89	13-3	0155	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
8527	M89	13-3	0159	Fri	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6456	CW	(JPL)
6456	M89	13-3	0159	Fri	CQ (x3) DE DP91 (x2) V HR NIL SK GB //8527	CW	(JPL)
10947	M89	13-3	0211	Fri	V DKSL (x3) DE ALSK (x2) (Cont'd) //N/H	CW	(JPL)
5225	M89	13-3	0215	Fri	i.p. NR 0029 CK 1379 62 0312 2028 = 1P GA = U47A TUUT TTT ... 3ANT D465 (Cont'd)	CW	(JPL)
3330	M89	13-3	0915	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
9131	M89	13-3	0916	Fri	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
6793	M89	13-3	0919	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
10640	M89	13-3	0920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	13-3	0920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
6456	M89	13-3	0956	Fri	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6456	CW	(JPL)
3330	M89	13-3	1126	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3777	M89	13-3	1127	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	13-3	1127	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
7777	M89	13-3	1131	Fri	i.p. NR 01/EX 1910 RMKS 3477 TO 0276 = (see N&O 210)	CW	(JPL)
8073	M89	13-3	1145	Fri	i.p. III 773 TAD 773 TAN 773 TUT (see N&O 210)	CW	(JPL)
3777	M89	13-3	1247	Fri	i.p. CQ TT/CQ MSG NR 18054 CK 999 46 0313 20 RMKS CQ = (see N&O 210)	CW	(JPL)
3777	M89	13-3	1538	Fri	i.p. CQ TT/CQ MSG NR 18055 CK 2699 46 0314 .000 RMKS CQ = (see N&O 210)	CW	(JPL)
3821	M89	13-3	2238	Fri	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
5644	M89	13-3	2238	Fri	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
4131	M89	13-3	2239	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
10180	M89	14-3	1602	Sat	Chinese Military, V DKG6 DKG6 DKG6 DE 3A7D 3A7D	CW	(Danix)
3330	M89	15-3	1447	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	15-3	1449	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	15-3	1449	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
3777	M89	15-3	1451	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	15-3	1451	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3821	M89	15-3	1453	Sun	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
5644	M89	15-3	1453	Sun	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
4131	M89	15-3	1458	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5432	M89	15-3	1504	Sun	(i.p. 5TN4 NDT6 T4U3 4TNU 7A6D DA5N AR K. R CY OK. R QSL 2310 QSL 2310	CW	(JPL)
3642	M89	15-3	1630	Sun	i.p. VV HR SVC GA NR 047 002 EEE (see N&O 210)	CW	(JPL)
5588	M89	15-3	2308	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
8110	M89	15-3	2311	Sun	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
4860	M89	15-3	2320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	15-3	2320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
6793	M89	15-3	2323	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //N/H	CW	(JPL)
9131	M89	15-3	2324	Sun	V DKSL (x3) DE ALSK (x2) (Cont'd) //6421	CW	(JPL)
6421	M89	15-3	2324	Sun	V DKSL (x3) DE ALSK (x2) (Cont'd) //9131	CW	(JPL)
4131	M89	15-3	2335	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
8110	M89	16-3	0314	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
10640	M89	16-3	0320	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	16-3	0320	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
10180	M89	16-3	0329	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	16-3	0329	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
6796	M89	16-3	0333	Mon	i.p. 3746 4T3N 6TA3 ANTU A4ND D634 III QSL ? K (see N&O 210)	CW	(JPL)
6958	M89	16-3	0340	Mon	i.p. U7T3 ATN6 NT34 4TUA (Cont'd) AR QSL? K. QSL? K. NU GA GA K	CW	(JPL)
6996	M89	16-3	0949	Mon	i.p. R GA. MSG NR 1111 CK	CW	(JPL)
6456	M89	16-3	0957	Mon	CQ (x3) DE DP91 (x2) V NIL SK GB	CW	(JPL)
5177	M89	16-3	1149	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5801	M89	16-3	1150	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	16-3	1150	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
3777	M89	16-3	1203	Mon	III = A3U6 DD64 7ADA 3UA4 6NUA A46N 6N4D NTUU NNNN TTT3 (see N&O 210)	CW	(JPL)
5801	M89	17-3	1113	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10180	M89	17-3	1113	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
6840	M89	17-3	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
3777	M89	17-3	1140	Tue	V M8JF DE RIS9 CQ ... MSG NR 180.1 CK 29.9 .. 0318 03.. =	CW	(JPL)
3777	M89	17-3	1140	Tue	CQ MSG NR 18071 CK .99 46 0317 2005 RMKS CQ = DN3D 35DU (see N&O 210)	CW	(JPL)
3821	M89	17-3	1144	Tue	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
3330	M89	17-3	1654	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	17-3	1657	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	17-3	1657	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
4532	M89	17-3	1659	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	17-3	1659	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
3821	M89	17-3	1700	Tue	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
5644	M89	17-3	1700	Tue	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
4131	M89	17-3	1706	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3777	M89	17-3	1740	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
10947	M89	18-3	0751	Wed	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
10180	M89	18-3	0759	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
6688	M89	18-3	0832	Wed	i.p. R RPT 2P 90W AGN R RPT 2P 92W K. QSL 1630 K	CW	(JPL)
3330	M89	18-3	1501	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3330	M89	18-3	1710	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	18-3	1711	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
4532	M89	18-3	1712	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	18-3	1712	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
5644	M89	18-3	1714	Wed	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
3821	M89	18-3	1714	Wed	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
4860	M89	18-3	1720	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	18-3	1720	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
3777	M89	18-3	1752	Wed	i.p. NNNN TTAU (Cont'd) AR. M8JF DE RIS9	CW	(JPL)
4131	M89	18-3	1752	Wed	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
3330	M89	18-3	1805	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
10947	M89	19-3	0135	Thu	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
6456	M89	19-3	0200	Thu	CQ (x3) DE DP91 (x2) V HR NIL SK GB	CW	(JPL)
10180	M89	19-3	0812	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
9131	M89	19-3	0814	Thu	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
6840	M89	19-3	0820	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	19-3	0820	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
9131	M89	19-3	1029	Thu	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
10180	M89	19-3	1030	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
3777	M89	19-3	1115	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
3330	M89	19-3	1628	Thu	i.p. VVV MSG NR 077 CK 301 44 0320 0030 = (see N&O 210)	CW	(JPL)
4532	M89	19-3	1656	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
7602	M89	19-3	1656	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
3777	M89	19-3	1656	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
5644	M89	19-3	1658	Thu	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
3821	M89	19-3	1658	Thu	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
5555	M89	19-3	1701	Thu	i.p. 05 05 05 IM 3J457 DNA/3 E E W3345 7DNAWU345 (see N&O 210)	CW	(JPL)
7602	M89	19-3	1951	Thu	V DKG6 de 3A7D	CW	(MPJ)
9131	M89	20-3	1000	Fri	V DKSL (x3) DE ALSK (x2) (Cont'd) //6421	CW	(JPL)
6421	M89	20-3	1000	Fri	V DKSL (x3) DE ALSK (x2) (Cont'd) //9131	CW	(JPL)
3330	M89	20-3	1001	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
6793	M89	20-3	1005	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //8060	CW	(JPL)
8060	M89	20-3	1005	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
8888	M89	20-3	1006	Fri	i.p. DTUN 345D T6A3 7U45 63UD (Cont'd) AR AR VV =	CW	(JPL)
10640	M89	20-3	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	20-3	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
4532	M89	20-3	1027	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
6840	M89	20-3	1820	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	20-3	1820	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3330	M89	20-3	1825	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	20-3	1826	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
5644	M89	20-3	1828	Fri	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
3821	M89	20-3	1828	Fri	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
4532	M89	20-3	1830	Fri	i.p. UA47 73N3 7T34 NN.A AU6U A53A (see N&O 210) //3777	CW	(JPL)
3777	M89	20-3	1830	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
3642	M89	20-3	1859	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
9131	M89	21-3	0036	Sat	V DKSL (x3) DE ALSK (x2) (Cont'd) //10947	CW	(JPL)
10947	M89	21-3	0036	Sat	V DKSL (x3) DE ALSK (x2) (Cont'd) //9131	CW	(JPL)
6793	M89	21-3	0039	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
6456	M89	21-3	0203	Sat	CQ (x3) DE DP91 (x2) V (Cont'd)	CW	(JPL)
10947	M89	21-3	0945	Sat	V DKSL (x3) DE ALSK (x2) (Cont'd) //9131	CW	(JPL)
9131	M89	21-3	0946	Sat	V DKSL (x3) DE ALSK (x2) (Cont'd) //10947	CW	(JPL)
8060	M89	21-3	0947	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793	CW	(JPL)
6793	M89	21-3	0947	Sat	V M8JF (x3) DE RIS9 (x2) (Cont'd) //8060	CW	(JPL)
5588	M89	21-3	0949	Sat	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
10180	M89	21-3	0951	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
6456	M89	21-3	1002	Sat	N4FM5 (x3) DE NAT491 (x2) V (Cont'd)	CW	(JPL)
6456	M89	22-3	1002	Sun	CQ (x3) DE DP91 (x2) V HR NIL SK GB	CW	(JPL)
10947	M89	22-3	1017	Sun	V DKSL (x3) DE ALSK (x2) (Cont'd) //9131	CW	(JPL)
9131	M89	22-3	1017	Sun	V DKSL (x3) DE ALSK (x2) (Cont'd) //10947	CW	(JPL)
6840	M89	22-3	1020	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	22-3	1020	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
5588	M89	22-3	1026	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
4532	M89	22-3	1028	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	22-3	1028	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
3642	M89	22-3	1402	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
3777	M89	22-3	1406	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
3821	M89	22-3	1408	Sun	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
3330	M89	22-3	1828	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	22-3	1830	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	22-3	1830	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
3777	M89	22-3	1832	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	22-3	1832	Sun	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
4225	M89	22-3	1833	Sun	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
3821	M89	22-3	1837	Sun	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
5644	M89	22-3	2252	Sun	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
9131	M89	23-3	0059	Mon	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
8110	M89	23-3	0102	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
6840	M89	23-3	0120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
10640	M89	23-3	0120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3642	M89	23-3	0127	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
6456	M89	23-3	0200	Mon	CQ (x3) DE DP91 (x2) V HR NIL GB SK	CW	(JPL)
6421	M89	23-3	0931	Mon	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
6793	M89	23-3	0934	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //8060	CW	(JPL)
8060	M89	23-3	0934	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793	CW	(JPL)
5588	M89	23-3	0936	Mon	i.p. CQ 63 RMK ... 9 U. 2M 1.1.0/1../ 0280./32.. 9989/.2../1.00/.7/..	CW	(JPL)
10180	M89	23-3	0950	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
6456	M89	23-3	1006	Mon	i.p. HR NIL GB SK	CW	(JPL)
3330	M89	23-3	1815	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	23-3	1816	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	23-3	1816	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
5500	M89	23-3	1817	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
4532	M89	23-3	1818	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	23-3	1818	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //453	CW	(JPL)
5644	M89	23-3	1819	Mon	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
6840	M89	23-3	1820	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	23-3	1820	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
3330	M89	23-3	2048	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	23-3	2049	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	23-3	2049	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
4532	M89	23-3	2053	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	23-3	2053	Mon	III = 4TD4 3D66 U3A7 7DT7 464T 577T T3AD 63ND NNNN TTDN (see N&O 210) //4532	CW	(JPL)
10180	M89	24-3	1132	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
5555	M89	24-3	1134	Tue	i.p. VV KD VV VV KKV.. = VV U V H VVV D	CW	(JPL)
3330	M89	24-3	1139	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
5644	M89	24-3	1140	Tue	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
3821	M89	24-3	1140	Tue	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
4532	M89	24-3	1144	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	24-3	1144	Tue	III = 36DD AUNT N..66 ADT. NUNT 7... 5T5A 6 NNNN TT35 AR V M8JF DE RIS9 //4532	CW	(JPL)
6840	M89	24-3	1220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
3330	M89	24-3	1454	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	24-3	1456	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	24-3	1456	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
5500	M89	24-3	1457	Tue	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
3777	M89	24-3	1458	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	24-3	1458	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	24-3	1952	Tue	III = N6T7 U33D 3DDT4 U67 A3NA D475 6554 DN75 NNNN TT6N (Cont'd) AR	CW	(JPL)
3330	M89	25-3	1512	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	25-3	1514	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	25-3	1514	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
4532	M89	25-3	1515	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	25-3	1515	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
5644	M89	25-3	1517	Wed	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
3821	M89	25-3	1517	Wed	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
4860	M89	25-3	1520	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	25-3	1520	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
3330	M89	25-3	1747	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	25-3	1748	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
7602	M89	25-3	1748	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3777	M89	25-3	1749	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	25-3	1749	Wed	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3821	M89	25-3	1750	Wed	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
5644	M89	25-3	1750	Wed	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
3777	M89	25-3	1823	Wed	i.p. III = 3476 43A3 53TD 6TNU 63NU NUT4 (see N&O 210)	CW	(JPL)
9131	M89	26-3	0137	Thu	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
6793	M89	26-3	0140	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
3642	M89	26-3	0145	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
9131	M89	26-3	0949	Thu	V DKSL (x3) DE ALSK (x2) (Cont'd) //6421	CW	(JPL)
6421	M89	26-3	0949	Thu	V DKSL (x3) DE ALSK (x2) (Cont'd) //9131	CW	(JPL)
5588	M89	26-3	0952	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7788	M89	26-3	0954	Thu	i.p. HR NR 03 K R GB SK GB GB	CW	(JPL)
3330	M89	26-3	1355	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
3642	M89	26-3	1401	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
3654	M89	26-3	1402	Thu	(i.p. 4NU4 A34U 4? 44AD UN64 DA67 4N65 (see N&O 210)	CW	(JPL)
3330	M89	26-3	1903	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	26-3	1904	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	26-3	1904	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
3777	M89	26-3	1905	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	26-3	1905	Thu	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3821	M89	26-3	1907	Thu	V DKSL (x3) DE ALSK (x2) (Cont'd) //5644	CW	(JPL)
5644	M89	26-3	1907	Thu	V DKSL (x3) DE ALSK (x2) (Cont'd) //3821	CW	(JPL)
6840	M89	26-3	1920	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	26-3	1920	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
9131	M89	27-3	0933	Fri	V DKSL (x3) DE ALSK (x2)	CW	(JPL)
6793	M89	27-3	0934	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //8060	CW	(JPL)
8060	M89	27-3	0934	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //6793	CW	(JPL)
5588	M89	27-3	0936	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
6456	M89	27-3	1002	Fri	CQ (x3) DE DP91 (x2) V (Cont'd)	CW	(JPL)
3777	M89	27-3	1111	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
4532	M89	27-3	1111	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
4860	M89	27-3	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
6840	M89	27-3	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
3330	M89	27-3	1125	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
8073	M89	27-3	1139	Fri	BNGC (x3) DE XSV85 (x2) (see N&O 210)	CW	(JPL)
4532	M89	27-3	1157	Fri	i.p. III = N63N .463 36AA NU76 TAUN 3DDT 4T74 T.. //3777	CW	(JPL)
3777	M89	27-3	1157	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
8888	M89	27-3	1204	Fri	i.p. 3A5N .UA. N7U	CW	(JPL)
5644	M89	27-3	1207	Fri	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
3654	M89	27-3	1320	Fri	(i.p. 43DN T554 63U3 AT54 TNAU DNT7 (Cont'd)	CW	(JPL)
4131	M89	27-3	1412	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
4178	M89	27-3	1413	Fri	(i.p. VV CJDJ DE E2DT K HKIB DE O8HK R QSA 2 QSA? K	CW	(JPL)
5692	M89	27-3	1427	Fri	i.p. RMKS 5369 CK . 34 0327 2130 RMKS 9554. 9558 =	CW	(JPL)
5555	M89	27-3	1911	Fri	i.p. D465 74U5 DU75 III 5BRU6646 47D6 DDN..	CW	(JPL)
7602	M89	27-3	1925	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	27-3	1925	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
3330	M89	27-3	1933	Fri	III = TDT4 AR V MW3D DE 2SLC	CW	(JPL)
3330	M89	27-3	2208	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	27-3	2209	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	27-3	2209	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
5644	M89	27-3	2211	Fri	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
3777	M89	27-3	2216	Fri	III = 337N 4N43 ..3D UTA6 5T57 3T34 7N.6 T4T5 NNNN TT33 (Cont'd) //4532	CW	(JPL)
4532	M89	27-3	2216	Fri	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
4131	M89	27-3	2251	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
9131	M89	30-3	0938	Mon	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
8110	M89	30-3	0942	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
4532	M89	30-3	0944	Mon	V M8JF (x3) DE RIS9 (x2) (Cont'd)	CW	(JPL)
10180	M89	30-3	0949	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
5801	M89	30-3	0949	Mon	= COMM/1730/LZ7.2A7/5430/6816 AR QSL ? K HR WK NR 30 //10180	CW	(JPL)
5801	M89	30-3	0949	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
10947	M89	30-3	0957	Mon	V DKSL (x3) DE ALSK (x2) (Cont'd) //9131	CW	(JPL)
9131	M89	30-3	0957	Mon	V DKSL (x3) DE ALSK (x2) (Cont'd) //10947	CW	(JPL)
8527	M89	30-3	0958	Mon	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6456	CW	(JPL)
6456	M89	30-3	0959	Mon	CQ (x3) DE DP91 (x2) V (Cont'd) //8527	CW	(JPL)
9126	M89	30-3	1014	Mon	i.p. 05 05 05 05 05	CW	(JPL)
3821	M89	30-3	1207	Mon	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
3654	M89	30-3	1257	Mon	(i.p. 7G GA K OK OK NR 22/NNCK CK 99 46 03302M (see N&O 210)	CW	(JPL)
7602	M89	30-3	1325	Mon	VVV NR 120 21 15 RMKS 6537 TO 66N9 (see N&O 210) //3642	CW	(JPL)
3642	M89	30-3	1325	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
3330	M89	30-3	1331	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
5177	M89	30-3	1334	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5174	M89	30-3	1335	Mon	i.p. TD43 AN65 DA3T D6A5 3547 3NTU (Cont'd)	CW	(JPL)
3330	M89	30-3	1551	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
7602	M89	30-3	1552	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	30-3	1552	Mon	i.p. AR QSL ? HR WK NR .0 V DKG6 DE 3A7D //7602	CW	(JPL)
6840	M89	30-3	1620	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
4860	M89	30-3	1620	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
7602	M89	31-3	1651	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
3642	M89	31-3	1651	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
4532	M89	31-3	1653	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //3777	CW	(JPL)
3777	M89	31-3	1653	Tue	V M8JF (x3) DE RIS9 (x2) (Cont'd) //4532	CW	(JPL)
3821	M89	31-3	1655	Tue	V DKSL (x3) DE ALSK (x2) (Cont'd)	CW	(JPL)
3330	M89	31-3	1658	Tue	i.o. III = TDT4 ARV MW3D (x3) DE 2SLC (x2)	CW	(JPL)
4131	M89	31-3	1704	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
5246	MC03	1-3	2256	Sun	4UT UA5434 5DT4763 AA356 4UT UA5433 6DTA6N5 TAN 55 4UN UA6NUA AT5 56 4UT AA6NUT 4NN5NN7 AT5 56	CW	(JPL-Sib)
5135.5	MC03	31-3	1709	Tue	3A3 UA5D67 TD 3AD UA5D4D 45 TN565 AT3 TD 3A3 UA5..7 TD 3AD UT77T7 73TAD45 AA3 TD (Cont'd)	CW	(JPL-Sib)
4150	MX	28-2	2034		Channel marker "V" (not Khiva)	CW	(TJ)
6342	MX	5-3	2122	Thu	Beacon "V"	CW	(Nico)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
23920.7	MX	8-3	1526	Sun	Beacon "D" Sevastopol	CW	(linkz)
4150	MX	19-3	2048	Thu	Beacon "V"	CW	(AB)
4150	MX	22-3	1855	Sun	Beacon "V"	CW	(AB)
8494.7	MX	22-3	1858	Sun	Beacon "D" Sevastopol	CW	(AB)
8495	MX	22-3	1858	Sun	Beacon "C" Moscow	CW	(AB)
8494.8	MX	22-3	1858	Sun	Beacon "P" Kaliningrad	CW	(AB)
8494.9	MX	22-3	1858	Sun	Beacon "S" Sevastopol	CW	(AB)
10871.9	MX	22-3	1859	Sun	Beacon "S" Sevastopol	CW	(AB)
13528	MX	22-3	1859	Sun	Beacon "C" Moscow	CW	(AB)
10872	MX	22-3	1859	Sun	Beacon "C" Moscow	CW	(AB)
16332	MX	22-3	1900	Sun	Beacon "C" Moscow	CW	(AB)
16331.9	MX	22-3	1900	Sun	Beacon "S" Sevastopol	CW	(AB)
4150	MX	27-3	2115	Fri	Beacon "V"	CW	(AB)
5153.9	MX	27-3	2117	Fri	Beacon "S" Sevoromorsk	CW	(AB)
5154	MX	27-3	2117	Fri	Beacon "C" Moscow	CW	(AB)
4557.9	MX	27-3	2117	Fri	Beacon "S" Sevoromorsk	CW	(AB)
7038.7	MX	27-3	2118	Fri	Beacon "D" Sevastopol	CW	(AB)
7038.9	MX	27-3	2118	Fri	Beacon "S" Sevoromorsk	CW	(AB)
7039	MX	27-3	2118	Fri	Beacon "C" Moscow	CW	(AB)
8495.7	MX	27-3	2119	Fri	Beacon "D" Sevastopol	CW	(AB)
8495.9	MX	27-3	2119	Fri	Beacon "S" Sevoromorsk	CW	(AB)
10871.9	MX	27-3	2123	Fri	Beacon "S" Sevoromorsk	CW	(AB)
10872	MX	27-3	2123	Fri	Beacon "C" Moscow	CW	(AB)
13528.4	MX	27-3	2125	Fri	Beacon "M" Magadan	CW	(AB)
13528	MX	27-3	2125	Fri	Beacon "C" Moscow	CW	(AB)
13527.9	MX	27-3	2125	Fri	Beacon "S" Sevoromorsk	CW	(AB)
4150	MX	30-3	1959	Mon	Beacon "V"	CW	(AB)
10246	POL	13-3	0700	Fri	Polish intel.	FSK 100/625	(AB)
7371	POL	17-3	0900	Tue	Polish Intel. Msg	FSK 100/625	(AB)
7371	POL	17-3	0905	Tue	Polish Intel. Msg	FSK 100/625	(AB)
14753	POL	19-3	0730	Thu	Polish Intel. Null msg	FSK 100/625	(AB)
14753	POL	19-3	0735	Thu	Polish Intel. Null msg	FSK 100/625	(AB)
6906	POL	19-3	0800	Thu	Polish Intel.	FSK 100/625	(AB)
6906	POL	19-3	0805	Thu	Polish Intel.	FSK 100/625	(AB)
6906	POL	23-3	0805	Mon	Polish Intel.	FSK 100/625	(AB)
9339	POL	23-3	0845	Mon	Polish Intel.	FSK 100/625	(AB)
9339	POL	25-3	0845	Wed	Polish Intel.	FSK 100/625	(AB)
9339	POL	25-3	0850	Wed	Polish Intel.	FSK 100/625	(AB)
6433	POL	25-3	1005	Wed	Polish Intel.	FSK 100/625	(AB)
6433	POL	25-3	1010	Wed	Polish Intel.	FSK 100/625	(AB)
7407	POL	25-3	1030	Wed	Polish Intel.	FSK 100/625	(AB)
7407	POL	25-3	1035	Wed	Polish Intel.	FSK 100/625	(AB)
15632	POL	25-3	1140	Wed	Polish Intel.	FSK 100/625	(AB)
15632	POL	25-3	1145	Wed	Polish Intel.	FSK 100/625	(AB)
5358	POL	25-3	1305	Wed	Polish Intel.	FSK 100/625	(AB)
5358	POL	25-3	1310	Wed	Polish Intel.	FSK 100/625	(AB)
6433	POL	28-3	1005	Sat	Polish intel.	FSK 100/625	(AB)
6433	POL	28-3	1010	Sat	Polish intel.	FSK 100/625	(AB)
15632	POL	29-3	1525	Sun	Polish Intel.	FSK 100/625	(AB)
10728	POL	31-3	0630	Tue	Polish Intel.	FSK 100/625	(AB)
10728	POL	31-3	0635	Tue	Polish Intel.	FSK 100/625	(AB)
10246	POL	31-3	0655	Tue	Polish Intel.	FSK 100/625	(AB)
10246	POL	31-3	0700	Tue	Polish Intel.	FSK 100/625	(AB)
6793	S06	3-3	1735	Tue	480 359 41 37428 93523 64082 ... 21427 56804 68700 359 41 00000	USB	(RP-MD)
19415	S06	13-3	0830	Fri	842 750 38 40711 84898 31813 ... 65682 58449 42145 750 38 00000	USB	(AB)
16268	S06	13-3	0930	Fri	842 750 38 40711 84898 31813 ... 65682 58449 42145 750 38 00000	USB	(AB)
7643	S06	14-3	1600	Sat	491 0	USB	(HFD)
6793	S06	17-3	1730	Tue	480 579 42 85415 ... 84886 91515 579 42 00000	USB	(AB)
15721	S06	19-3	0400	Thu	480 197 60 10572 33796 49720 ... 58001 06627 12341 00000	USB	(AB)
9906	S06	20-3	2000	Fri	392 0	USB	(HFD)
7507	S06	20-3	2100	Fri	392 0	USB	(HFD)
5124	S06	21-3	2000	Sat	738 0	USB	(HFD)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
4443	S06	21-3	2100	Sat	738 0	USB	(HFD)
16268	S06	26-3	0930	Thu	842 379 40 93145 62855 ... 00264 44387 34787 379 40 00000	USB	(AB)
19415	S06	27-3	0830	Fri	842 379 40 93145 62855 ... 00264 44387 34787 379 40 00000	USB	(AB)
9220	S06s	2-3	0830	Mon	371 486 5 49294	USB	(HFD)
8270	S06s	2-3	0840	Mon	371	USB	(HFD)
14580	S06s	2-3	0900	Mon	872 4346 5 32086	USB	(HFD)
13165	S06s	2-3	0910	Mon	872	USB	(HFD)
15855	S06s	3-3	0600	Tue	438 519 6 38436	USB	(HFD)
16485	S06s	3-3	0610	Tue	438	USB	(HFD)
5760	S06s	3-3	0700	Tue	374 062 5 32035	USB	(HFD)
6930	S06s	3-3	0715	Tue	374 962 5 32035 31097 37410 32310 39726 962 5 00000	USB	(AB)
6930	S06s	3-3	0715	Tue	374	USB	(HFD)
7425	S06s	3-3	0730	Tue	427 860 5 39742 2.hx on 14850	USB	(HFD)
11560	S06s	3-3	0740	Tue	427	USB	(HFD)
11635	S06s	3-3	0800	Tue	352 907 6 38034 37823 38230 48235 38602 44520 907 6 00000	USB	(AB)
11635	S06s	3-3	0800	Tue	352 907 6 38034	USB	(HFD)
10420	S06s	3-3	0810	Tue	352	USB	(HFD)
10420	S06s	3-3	0810	Tue	352 907 6 38034 37823 38230 48235 38602 44520 907 6 00000	USB	(AB)
6410	S06s	3-3	1000	Tue	893	USB	(HFD)
7340	S06s	3-3	1010	Tue	893 240 5 40951 mixed with HM01	USB	(HFD)
7230	S06s	3-3	1110	Tue	754 290 6 42169	USB	(HFD)
6464	S06s	3-3	1500	Tue	537	USB	(HFD)
6464	S06s	3-3	1500	Tue	537 249 6 84674	USB	(HFD)
7242	S06s	3-3	1510	Tue	537 249 6 84674	USB	(HFD)
13365	S06s	4-3	1000	Wed	729 543 6 25329	USB	(HFD)
14505	S06s	4-3	1010	Wed	729	USB	(HFD)
12952	S06s	5-3	0900	Thu	167 930 5 32474	USB	(HFD)
13565	S06s	5-3	0910	Thu	167	USB	(HFD)
9081	S06s	5-3	0930	Thu	314 520 6 37947	USB	(HFD)
10514	S06s	5-3	0940	Thu	314	USB	(HFD)
12415	S06s	5-3	1200	Thu	425 896 7 45346	USB	(HFD)
14212	S06s	5-3	1210	Thu	425	USB	(HFD)
7795	S06s	6-3	0700	Fri	196 843 5 39394	USB	(HFD)
8695	S06s	6-3	0710	Fri	196	USB	(HFD)
6930	S06s	6-3	0800	Fri	278 461 5 43033	USB	(HFD)
7755	S06s	6-3	0810	Fri	278	USB	(HFD)
12140	S06s	6-3	0930	Fri	516 483 7 47076	USB	(HFD)
13515	S06s	6-3	0940	Fri	516	USB	(HFD)
10350	S06s	7-3	1200	Sat	254 891 6 46062	USB	(HFD)
8520	S06s	7-3	1210	Sat	254	USB	(HFD)
9145	S06s	9-3	1200	Mon	831 472 5 45326	USB	(HFD)
11460	S06s	9-3	1210	Mon	831	USB	(HFD)
8630	S06s	11-3	0820	Wed	471 802 5 63714	USB	(HFD)
9255	S06s	11-3	0830	Wed	471	USB	(HFD)
11854	S06s	11-3	0830	Wed	745 206 8 33873	USB	(HFD)
12140	S06s	11-3	0840	Wed	745	USB	(HFD)
9081	S06s	12-3	0930	Thu	314 520 6 37497	USB	(HFD)
10514	S06s	12-3	0940	Wed	314	USB	(HFD)
7795	S06s	13-3	0700	Fri	196 843 5 39394 35083 42571 32785 37331 843 5 00000	USB	(AB)
8695	S06s	13-3	0710	Fri	196 843 5 39394 35083 42571 32785 37331 843 5 00000	USB	(AB)
12140	S06s	13-3	0930	Fri	516 483 7 47076 33739 43384 33898 33715 42300 33860 483 7 00000	AM	(AB)
13515	S06s	13-3	0940	Fri	516 483 7 47076 33739 43384 33898 33715 42300 33860 483 7 00000	AM	(AB)
15855	S06s	17-3	0600	Tue	438 521 6 31704 91596 47308 92107 40398 65931 00000	USB	(AB)
5760	S06s	17-3	0700	Tue	374 258 6 44531 34657 38307 45478 33654 81846	USB	(AB)
7425	S06s	17-3	0730	Tue	427 895 6 35353 33277 98950 88856 35140 33268 00000	USB	(AB)
11635	S06s	17-3	0800	Tue	352 809 6 40639 33180 48007 37230 46446 43475 00000	USB	(AB)
11560	S06s	17-3	0840	Tue	427 895 6 35353 33277 98950 88856 35140 33268 895 6 00000	AM	(AB)
6410	S06s	17-3	1000	Tue	893 254 6 37830 31671 36401 34072 83030 32732 00000	USB	(AB)
7250	S06s	17-3	1110	Tue	754 812 6 34917 36991 38643 30996 35333 32537 00000	USB	(AB)
8630	S06s	18-3	0820	Wed	471 532 6 33845 39592 89375 35768 49239 35643 532 6 00000	USB	(AB)
12852	S06s	19-3	0900	Thu	167 824 5 46399 33972 30172 94305 39013 824 5 00000	AM	(AB)
6524	S06s	19-3	0910	Thu	624 978 5 47445 48683 89696 41965 90896 978 5 00000	USB	(AB)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
13565	S06s	19-3	0910	Thu	167 824 5 46399 33972 30172 94305 39013 824 5 00000	AM	(AB)
14212	S06s	19-3	1210	Thu	425 981 6 84674 89978 80361 49906 35794 82605 981 6 00000	AM	(AB)
6930	S06s	20-3	0800	Fri	278 495 6 30702 88959 89831 42097 88475 48179 495 6 00000	USB	(AB)
7755	S06s	20-3	0810	Fri	278 495 6 30702 88959 89831 42097 88475 48179 495 6 00000	USB	(AB)
22185	S06s	22-3	0630	Sun	524	USB	(HFD)
20050	S06s	22-3	0640	Sun	524 879 6 49298	USB	(HFD)
9220	S06s	23-3	0830	Mon	371 429 5 99228 77544 04816 56447 51269 429 5 00000	USB	(AB)
8270	S06s	23-3	0840	Mon	371 429 5 99228 77544 04816 56447 51269 429 5 00000	USB	(AB)
8630	S06s	25-3	0820	Wed	471 532 6 33845 39592 89375 35768 49239 35643 532 6 00000	USB	(AB)
9255	S06s	25-3	0830	Wed	471 532 6 33845 39592 89375 35768 49239 35643 532 6 00000	USB	(AB)
11854	S06s	25-3	0830	Wed	745 238 6 99825 42483 18958 37032 30770 46620 238 6 00000	AM	(AB)
12140	S06s	25-3	0840	Wed	745 238 6 99825 42483 18958 37032 30770 46620 238 6 00000	AM	(AB)
14505	S06s	25-3	1010	Wed	729 538 6 87723 94353 94358 91559 33577 84890 538 6 00000	AM	(AB)
13565	S06s	26-3	0910	Thu	167 824 5 46399 33972 30172 94305 39013 824 5 00000	AM	(AB)
6524	S06s	26-3	0910	Thu	624 978 5 47445 48683 89696 41965 90896 978 5 00000	USB	(AB)
6930	S06s	27-3	0800	Fri	278 495 6 30702 88959 89831 42097 88475 48179 495 6 00000	USB	(AB)
15855	S06s	31-3	0600	Tue	438 438 438 00000	USB	(AB)
16485	S06s	31-3	0610	Tue	438 438 438 00000	USB	(AB)
6930	S06s	31-3	0715	Tue	374 374 374 00000 (30 sec early)	USB	(AB)
7425	S06s	31-3	0730	Tue	427 427 427 00000	AM	(AB)
11560	S06s	31-3	0740	Tue	427 427 427 00000	AM	(AB)
16112	S11a	2-3	1015	Mon	475 00	USB	(HFD)
7317	S11a	3-3	0915	Tue	484/00	USB	(HFD)
9960	S11a	3-3	1020	Tue	426/00	USB	(HFD)
4016	S11a	6-3	1955	Fri	379 34 35345	USB	(HFD)
5815	S11a	7-3	1020	Sat	221/00	USB	(HFD)
5358	S11a	10-3	0455	Tue	321/00	USB	(HFD)
7317	S11a	17-3	0915	Tue	487/37 Vnimanie 72272 95160 29482 ... 57404 48140 51922 Vnimanie, rpt msg, konec	USB	(AB)
5815	S11a	25-3	1020	Wed	225/32 ????	USB	(AB)
9960	S11a	27-3	1020	Fri	426/00	USB	(AB)
4625	S28	5-3	0955	Thu	MDZhB 80 570 FYeSTUKA 9590 7817	USB	(Priyom)
4625	S28	5-3	0955	Thu	MDZhB 80 570 FYeSTUKA 9590 7817	USB	(Priyom)
4625	S28	15-3	1413	Sun	Generator breakdown	USB	(Priyom)
4625	S28	16-3	0600	Mon	Generator breakdown	USB	(Priyom)
4625	S28	20-3	1359	Fri	MDZhB PYeNSION 31 34	USB	(Priyom)
4625	S28	21-3	0606	Sat	Buzzer breakdown. Another transmitter can be heard weak on background	USB	(Priyom)
4625	S28	24-3	1226	Tue	MDZhB 83 911 VIRALA 3271 0473	USB	(Priyom)
4625	S28	24-3	1434	Tue	MDZhB 91 442 LIPUNYeC 5708 7747	USB	(Priyom)
4625	S28	26-3	0748	Thu	MDZhB 90 368 GIPNOMYeTR 8232 7858	USB	(Priyom)
4625	S28	26-3	0750	Thu	MDZhB 74 402 DIPsOMANIYa 0251 1149	USB	(Priyom)
4625	S28	26-3	0834	Thu	MDZhB 46 810 DIPLODOK 3549 1818	USB	(Priyom)
4625	S28	26-3	1207	Thu	MDZhB 21 648 BIPLANOVYJ 9185 0266	USB	(Priyom)
3756	S30	1-3	0422	Sun	Z'1B CI9V ZhSK4 HZ5T 5FSShch 8MUO TUZR 5J7Shch DMC3 49FT	USB	(Priyom)
3756	S30	1-3	1812	Sun	YMA5 VTH3 AGDT 'U1B OSOG BO6C F56Shch 9GSA ZhBZU 4RVZ	USB	(Priyom)
5448	S30	3-3	0828	Tue	5FSShch 8MUO TUZR 5J7Shch DMC3 49FT C2ZA INNC ShchGJP TZLM	USB	(Priyom)
5448	S30	3-3	1239	Tue	FY5E F61N Z7CN MUDR 7VNShch Zh7NZh YMA5 VTH3 AGDT 'U1B	USB	(Priyom)
3756	S30	4-3	1848	Wed	L7O5 V'Z' NLCE LI27 V2MZ SB7Z 'O6P Y8VM 6I2Zh	USB	(Priyom)
3756	S30	8-3	1704	Sun	DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI' TShchShchS VKY1	USB	(Priyom)
5448	S30	9-3	0841	Mon	Y8VM 6I2Zh 8CSchchJ 27Shch' N1DU 53OB 78MV DEAY JH'J 12CI	USB	(Priyom)
3756	S30	10-3	1827	Tue	BO6C F56Shch 9GSA ZhBZI 4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR	USB	(Priyom)
3756	S30	11-3	1813	Wed	N1DU 53OB 78MV DEAY JH'J 12CI 79AJ ShchT3O CIHS Z7PM	USB	(Priyom)
5448	S30	12-3	0459	Thu	S7ZhG Z'1B CI9V ZhSK4 HZ5T 5FSShch 8MUO TUZR 5J7Shch DMC3	USB	(Priyom)
5448	S30	13-3	0445	Fri	4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI'	USB	(Priyom)
3756	S30	14-3	1616	Sat	8S1Shch 71 404 UHOZh' 8327 2076	USB	(Priyom)
3756	S30	14-3	1841	Sat	TZLM FY5E F61N 37CN MUDR 7VNShch Zh7NZh YMA5 VTH3 AGDT	USB	(Priyom)
3756	S30	15-3	1806	Sun	HCLF 61HZh ZBIL L7O5 V'Z' NLCE LI27 V2MZ B7Z 'O6P	USB	(Priyom)
5448	S30	16-3	0459	Mon	Y8MV 6I2Zh 8CSchch' 27Shch' N1DU 53OB 78MV DEAY JH'J 12CI	USB	(Priyom)
3756	S30	19-3	1816	Thu	4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI'	USB	(Priyom)
3756	S30	19-3	1816	Thu	4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI'	USB	(Priyom)
5448	S30	20-3	1400	Fri	8S1Shch	USB	(Priyom)
3756	S30	20-3	1728	Fri	JH'J 12CI 79AJ ShchT3O CIHS Z7PM S7ZhG Z'1B CI9V ZhSK4	USB	(Priyom)
3756.6	S30	20-3	2150	Fri	Russian military channel marker "Pip"	USB	(AAI)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
5448	S30	21-3	1520	Sat	TZLM FY5E F61N Z7CN MUDR 7VNSHch Zh7NZh YMA5 VTH3 AGDT	USB	(Priyom)
3756	S30	21-3	1600	Sat	ZhD9V 'O6P 80 851 74 564 15 660 UARRA 3069 5838	USB	(Arg)
3756	S30	21-3	1837	Sat	'U1B OSOG BO6C F56Shch 9GSA ZhBZI 4RVZ 3VS' DKJ1 ZhD9V	USB	(Priyom)
5448	S30	22-3	0437	Sun	42BV 81BR M7KS PMV5 L'GJ KZI' TShchShchS VKY1 HCLF 61HZh	USB	(Priyom)
3756	S30	22-3	1946	Sun	8CSchj 27Shch' N1DU 53OB 78MV DEAY JH'J 12CI 79AJ ShchT3O	USB	(Priyom)
3756	S30	23-3	0250	Mon	49FT 42BV 81BR 61 487 29 105 89 390 KUTROVIK 0610 7553 SOKOLIK 5908 8282	USB	(Priyom)
3756	S30	23-3	0257	Mon	49FT 42BV 81BR 61 121 74 398 34 589 SUNNA 2805 2137 LISIJ 9215 4321	USB	(Priyom)
5448	S30	23-3	1458	Mon	49FT 42BV 81BR 31 681 86 508 28 007 BYeNUE 8125 7783	USB	(Arg)
3756	S30	23-3	1848	Mon	MUDR 7VNSHch Zh7NZh YMA5 VTH3 AGDT 'U1B OSOG BO6C F56Shch	USB	(Arg)
3756	S30	24-3	1837	Tue	LI27 V2MZ SB7Z 'O6P Y8MV 6I2Zh 8CSch' 27Shch' N1DU 53OB	USB	(Priyom)
3756	S30	24-3	1837	Tue	LI27 V2MZ SB7Z 'O6P Y8MV 6I2Zh 8CSch' 27Shch' N1DU 53OB	USB	(Priyom)
3756	S30	25-3	0400	Wed	8S1Shch NYeVYLAZNYJ 58 98	USB	(Priyom)
3756	S30	25-3	1756	Wed	CI9V ZhSK4 HZ5T 5FSShch 8MUO TUZR 5J7Shch DMC3 49FT C2ZA	USB	(Priyom)
3756	S30	25-3	2020	Wed	INNC ShchGJP TZLM FY5E F61N 37CN MUDR 7VNSHch Zh7NZh YMA5	USB	(Priyom)
3756	S30	26-3	1618	Thu	DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI' TShchShchS VKY1	USB	(Priyom)
3756	S30	26-3	1659	Thu	'O6P ZhD9V H6HZ 50 582 38 019 55 239 MYeZOKAIN 0918 4884	USB	(Priyom)
3756	S30	26-3	1907	Thu	HCLF 61HZh ZBIL L7O5 V'Z' NLCE LI27 V2MZ SB7Z 'O6P	USB	(Priyom)
5448	S30	27-3	0428	Fri	8S1Shch TURNIRNYJ 09 70	USB	(Priyom)
5448	S30	28-3	1440	Sat	8S1Shch 82 266 73 730 01 046 SONURA 2290 3941	USB	(Priyom)
3756	S30	30-3	1840	Mon	4RVZ 3VS' DKJ1 ZhD9V 42BV 81BR M7KS PMV5 L'GJ KZI'	USB	(Priyom)
3828	S32	4-3	1856	Wed	SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27	USB	(Priyom)
5473	S32	5-3	1409	Thu	PYeNZa-07 KURGAN-40 DUBLYoR-68 SLUZhBA-32 PENZA-07 KOVBOJ-39 RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 ALEUT-09	USB	(Priyom)
3838	S32	10-3	1548	Tue	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 STOROZh-62	USB	(Priyom)
3828	S32	10-3	1548	Tue	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 STOROZh-62	USB	(Priyom)
3828	S32	10-3	1605	Tue	ALFA-45 67 941 PALACO 6489 7464	USB	(Priyom)
3828	S32	11-3	1615	Wed	ALFA-45 67 941 PALACO 6489 7464	USB	(Priyom)
3828	S32	13-3	0301	Fri	ALFA-45 38 295 VYROZhDYeNIYe 6874 1464	USB	(Priyom)
3828	S32	13-3	0301	Fri	ALFA-45 38 295 VYROZhDYeNIYe 6874 1464	USB	(Priyom)
3828	S32	13-3	1646	Fri	ALFA-45 72 920 DICIAN 3120 4501	USB	(Priyom)
3828	S32	13-3	1646	Fri	ALFA-45 72 920 DICIAN 3120 4501	USB	(Priyom)
3828	S32	14-3	1619	Sat	ALFA-45 00 483 ORBYeNIN 3690 6729	USB	(Arg)
3828	S32	14-3	1619	Sat	ALFA-45 00 483 ORBYeNIN 3690 6729	USB	(Priyom)
3828	S32	14-3	1726	Sat	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34	USB	(Priyom)
3828	S32	14-3	1726	Sat	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34	USB	(Priyom)
3828	S32	15-3	2015	Sun	SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 BIZON-64 KOVBOJ-39	USB	(Priyom)
3828	S32	15-3	2015	Sun	SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 BIZON-64 KOVBOJ-39	USB	(Priyom)
3828	S32	16-3	1548	Mon	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07	USB	(Priyom)
3828	S32	16-3	1548	Mon	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07	USB	(Priyom)
3828	S32	16-3	1803	Mon	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 KURGAN-40 DUBLYoR-68 SLUZhBA-32	USB	(Priyom)
3828	S32	16-3	1803	Mon	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 KURGAN-40 DUBLYoR-68 SLUZhBA-32	USB	(Priyom)
3828	S32	17-3	1748	Tue	ALFA-45 25 694 75 027 RAZDVOYeNIYe 4374 8754	USB	(Priyom)
3828	S32	18-3	1748	Wed	ALFA-45 25 694 75 027 RAZDVOYeNIYe 4374 8754	USB	(Arg)
3828	S32	18-3	1959	Wed	ALFA-45 25 694 75 027 RAZDVOYeNIYe 4374 8754	USB	(Priyom)
3828	S32	18-3	1959	Wed	ALFA-45 25 694 75 027 RAZDVOYeNIYe 4374 8754	USB	(Priyom)
3828	S32	19-3	1953	Thu	SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 STOROZh-62 NYeVKA-26 KARTA-11 UTYoS-94 KOVBOJ-39	USB	(Priyom)
3828	S32	19-3	1953	Thu	SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 STOROZh-62 NYeVKA-26 KARTA-11 UTYoS-94 KOVBOJ-39	USB	(Priyom)
3828	S32	20-3	1811	Fri	ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34 KURGAN-40 DUBLYoR-68 ShTUKA-32	USB	(Priyom)
3828	S32	21-3	0436	Sat	ALFA-45 52 589 DUNST 9987 0220	USB	(Priyom)
3828	S32	23-3	0349	Mon	ALFA-45 88 250 BIZUN 8398 4938	USB	(Priyom)
3828	S32	23-3	0353	Mon	ALFA-45 82 934 ESTADIL 2875 8905	USB	(Arg)
3828	S32	23-3	0358	Mon	ALFA-45 36 250 MIRCYeN 9045 2927	USB	(Arg)
3828	S32	23-3	1957	Mon	SLIVA-94 LANDYSh-74 STAZhER-29 ALEUT-09 ZASLONKA-27 ROSA-64 DZhIGIT-46 OTPOR-89 YaHTA-94 FONTAN-34	USB	(Priyom)
3838	S32	25-3	0407	Wed	ALFA-45 NYeVYLAZNYJ 58 98	USB	(Arg)
3838	S32	25-3	1838	Wed	ALFA-45 13 277 80 520 54 108 RYeVYeNNYJ 1153 2248	USB	(Priyom)
3838	S32	25-3	1905	Wed	ALFA-45 12 482 17 096 38 547 FOTOSINTYeZ 0368 5823	USB	(Priyom)
3838	S32	25-3	2008	Wed	ALFA-45 79 993 94 838 13 890 VODOPRYel' 8730 1915	USB	(Priyom)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
3838	S32	26-3	0752	Thu	ALFA-45 53 857 BRIDYeLKA 4019 2802	USB	(Priyom)
3828	S32	27-3	0434	Fri	ALFA-45 TURNIRNYJ 09 70	USB	(Priyom)
3828	S32	30-3	1747	Mon	RUZh'E-26 BIZON-64 PYeSOChNYJ-21 ShULER-60 PENZA-07	USB	(Priyom)
5292.3	S5292	28-2	2034		Channel marker "B"	CW	(TJ)
5292	S5292	1-3	0922	Sun	FAZAN-37 36 982 BIOLOG 4326 9675	USB	(Priyom)
5292	S5292	3-3	1056	Tue	SYeKRYeT-39 95 783 VYeLIKAN 5805 6379	USB	(Priyom)
5292	S5292	3-3	1112	Tue	RYeGATA-75 18 409 UDVOITYeL' 5327 8652	USB	(Priyom)
5292	S5292	3-3	1124	Tue	TRYeL'-31 37 043 FAZYeNDA 1825 5648	USB	(Priyom)
5292	S5292	3-3	1138	Tue	FAZAN-37 38 471 USILIYe 2425 7579	USB	(Priyom)
5292	S5292	5-3	0859	Thu	PILOT-04 48 675 SMORODINA 3125 8587	USB	(Priyom)
5292	S5292	5-3	0928	Thu	VIZIR-21 38 596 ZNAKOMSTVO 1120 7474	USB	(Priyom)
5292	S5292	5-3	1000	Thu	TRYeL'-31 38 573 UKRASHYeNIYe 5374 9648	USB	(Priyom)
5292.3	S5292	5-3	1728	Thu	Channel marker "B"	CW	(MPJ)
5292	S5292	7-3	0958	Sat	TRYeL'-31 50 684 ZAKAZChIK 6367 8589	USB	(Priyom)
5292	S5292	7-3	1014	Sat	BOYeC-43 37 442 LYeTOPIS' 3124 5680	USB	(Priyom)
5292	S5292	9-3	1613	Mon	FAZAN-37 98 673 DYeRYeVYeN'KA 1634 9685	USB	(Priyom)
5292	S5292	9-3	1627	Mon	FAZAN-37 39 867 LYeGYeNDA 4362 8546	USB	(Priyom)
5292	S5292	10-3	0932	Tue	Inaudible	USB	(Priyom)
5292	S5292	10-3	1658	Tue	FAZAN-37 57 493 VOLYNKA 2436 3352	USB	(Priyom)
5292	S5292	10-3	1906		1 2 3 4 5 6 7 8 9	USB	(Priyom)
5292	S5292	11-3	0728	Wed	SYeKRYeT-39 48 675 SMORODINA 3125 8587	USB	(Priyom)
5292	S5292	11-3	0738	Wed	RYeGATA-75 38 596 ZNAKOMSTVO 1120 7474	USB	(Priyom)
5292	S5292	11-3	0748	Wed	VIZIR-21 38 573 URKAShYeNIYe 5374 9648	USB	(Priyom)
5292	S5292	11-3	0758	Wed	TRYeL'-31 50 684 ZAKAZChIK 6367 8589	USB	(Priyom)
5292	S5292	11-3	0807	Wed	FAZAN-37 37 442 LYeTOPIS' 3124 5680	USB	(Priyom)
5292	S5292	13-3	0741	Fri	RYeGATA-75 35 482 POLOZhYeNIYe 3632 8589	USB	(Priyom)
5292	S5292	13-3	0751	Fri	SYeKRYeT-39 11 923 KUVShINKA 4568 9765	USB	(Priyom)
5292	S5292	13-3	0801	Fri	TRYeL'-31 36 982 BIOLOG 4326 9675	USB	(Priyom)
5292	S5292	13-3	0811	Fri	RYeGATA-75 19 364 POChYeRK 3476 8976	USB	(Priyom)
5292	S5292	13-3	0824	Fri	FAZAN-37 63 789 ZAPYeVNYJ 2346 8948	USB	(Priyom)
5292	S5292	13-3	2150	Fri	Corrupted marker. Sends strings of random nature instead of "B"	USB	(AB)
5292	S5292	14-3	1838	Sat	1 2 3 4 5 6 7 8 9 10	USB	(Priyom)
5292	S5292	14-3	2159	Sat	Buzzer-marker	USB	(AB)
5292	S5292	15-3	0758	Sun	Buzzer-marker	USB	(AB)
5292	S5292	16-3	1405	Mon	1 2 3	USB	(Priyom)
5292	S5292	16-3	1738	Mon	Buzzer-marker	USB	(AB)
5292	S5292	17-3	1733	Tue	Noisy carrier, no marker	USB	(AB)
5292	S5292	20-3	0804	Fri	FAZAN-37 44 058 HRIZOLIT 4326 1127	USB	(Priyom)
5292	S5292	20-3	0813	Fri	PILOT-04 48 576 PRIKAZChIK 4275 0734 counting before the signal	USB	(Priyom)
5292	S5292	20-3	0841	Fri	TRYeL'-31 06 873 NYeZABUDKA 1426 8463	USB	(Priyom)
5292	S5292	20-3	0843	Fri	SYeKRYeT-39 48 967 OTKOS 1852 1835 error on the first read	USB	(Priyom)
5292	S5292	20-3	0853	Fri	RYeGATA-75 31 037 NOVOBRANYeC 2115 8457	USB	(Priyom)
5292	S5292	22-3	1658	Sun	FAZAN-37 19 732 ZNAKOMYJ 6385 8477 counting before the signal	USB	(Priyom)
5292.3	S5292	22-3	1852	Sun	Buzzer-marker, also at 1852 UTC	USB	(AB)
5292.3	S5292	23-3	0629	Mon	Buzzer-marker	USB	(AB)
5292	S5292	24-3	0850	Tue	FAZAN-37 28 472 ShARMANKA 3846 8563 counting before the signal	USB	(Priyom)
5292	S5292	24-3	0859	Tue	SYeKRYeT-39 38 642 ISPYTANIYe 4811 0995 counting before the signal	USB	(Priyom)
5292	S5292	24-3	0929	Tue	VIZIR-21 23 934 USTROJSTVO 1537 7537 counting before the signal	USB	(Priyom)
5292	S5292	24-3	0932	Tue	RYeGATA-75 95 834 OB'YaSNYeNIYe 2532 7754 counting before the signal	USB	(Priyom)
5292	S5292	24-3	1025	Tue	BARZHA-08 09 339 ZRYeLISHYe 2213 7474 with matrix printer printing on background	USB	(Priyom)
5292	S5292	24-3	1029	Tue	TRYeL'-31 89 394 PRIZNANIYe 4357 8553	USB	(Priyom)
5292	S5292	24-3	1039	Tue	BOYeC-43 95 783 VYeLIKAN 5805 6379	USB	(Priyom)
5292	S5292	25-3	1439	Wed	RUDA-15 11 209 RITOR 6473 9863	USB	(Priyom)
5292	S5292	25-3	2122	Wed	Buzzer marker	USB	(AB)
5292	S5292	26-3	1208	Thu	SYeKRYeT-39 19 345 UGLOBUL'B 3728 3883	USB	(Priyom)
5292	S5292	26-3	1224	Thu	FAZAN-37 89 902 BUTAFOR 3728 9743	USB	(Priyom)
5292	S5292	26-3	1740	Thu	Buzzer-marker	USB	(AB)
5292	S5292	26-3	2058	Thu	Buzzer-marker	USB	(AB)
5292	S5292	27-3	1707	Fri	Buzzer-marker	USB	(AB)
5292	S5292	28-3	2200	Sat	Buzzer-marker	USB	(AB)
3580	UM01	1-3	2243	Sun	CQ M 5	CW	(JPL-Sib)
3580	UM01	1-3	2327	Sun	CQ M 6	CW	(JPL-Sib)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
3580	UM01	2-3	1054	Mon	CQ M 5	CW	(JPL-Sib)
3580	UM01	2-3	1232	Mon	CQ M 5	CW	(JPL-Sib)
3580	UM01	2-3	1637	Mon	CQ M 5	CW	(JPL-Sib)
3580	UM01	2-3	2055	Mon	CQ M 5	CW	(JPL-Sib)
3580	UM01	3-3	1136	Tue	CQ M 6	CW	(JPL-Sib)
3580	UM01	3-3	1640	Tue	CQ M 7	CW	(JPL-Sib)
3580	UM01	3-3	1934	Tue	CQ M 7	CW	(JPL-Sib)
3580	UM01	4-3	0210	Wed	CQ M 8	CW	(JPL-Sib)
3580	UM01	4-3	1023	Wed	CQ M 6	CW	(JPL-Sib)
3580	UM01	4-3	1611	Wed	CQ M 7	CW	(JPL-Sib)
3580	UM01	4-3	2205	Wed	CQ 7 8	CW	(JPL-Sib)
3580	UM01	5-3	1640	Thu	CQ M 7	CW	(JPL-Sib)
3580	UM01	5-3	1825	Thu	CQ M 8	CW	(JPL-Sib)
3580	UM01	6-3	0014	Fri	CQ M 10	CW	(JPL-Sib)
3580	UM01	6-3	0030	Fri	CQ M 11	CW	(JPL-Sib)
3580	UM01	7-3	0137	Sat	CQ M 14	CW	(JPL-Sib)
3580	UM01	7-3	0210	Sat	CQ M 13	CW	(JPL-Sib)
3580	UM01	7-3	0954	Sat	CQ P 45	CW	(JPL-Sib)
3580	UM01	7-3	0955	Sat	CQ P 44	CW	(JPL-Sib)
3580	UM01	7-3	0955	Sat	CQ P 43	CW	(JPL-Sib)
3580	UM01	7-3	0956	Sat	CQ P 42	CW	(JPL-Sib)
3580	UM01	7-3	0956	Sat	CQ P 41	CW	(JPL-Sib)
3580	UM01	7-3	0957	Sat	CQ P 40	CW	(JPL-Sib)
3580	UM01	7-3	1010	Sat	CQ P 29	CW	(JPL-Sib)
3580	UM01	7-3	1013	Sat	CQ P 26	CW	(JPL-Sib)
3580	UM01	7-3	1013	Sat	CQ P 27	CW	(JPL-Sib)
3580	UM01	7-3	1014	Sat	CQ P 25	CW	(JPL-Sib)
3580	UM01	7-3	1015	Sat	CQ P 24	CW	(JPL-Sib)
3580	UM01	7-3	1018	Sat	CQ P 23	CW	(JPL-Sib)
3580	UM01	7-3	1020	Sat	CQ P 22	CW	(JPL-Sib)
3580	UM01	7-3	1021	Sat	CQ P 21	CW	(JPL-Sib)
3580	UM01	7-3	1023	Sat	CQ P 20	CW	(JPL-Sib)
3580	UM01	7-3	1025	Sat	CQ P 19	CW	(JPL-Sib)
3580	UM01	7-3	1028	Sat	CQ P 18	CW	(JPL-Sib)
3580	UM01	7-3	1030	Sat	CQ P 17	CW	(JPL-Sib)
3580	UM01	7-3	1033	Sat	CQ P 16	CW	(JPL-Sib)
3580	UM01	7-3	1036	Sat	CQ P 15	CW	(JPL-Sib)
3580	UM01	7-3	1039	Sat	CQ P 14	CW	(JPL-Sib)
3580	UM01	7-3	1042	Sat	CQ P 13	CW	(JPL-Sib)
3580	UM01	7-3	1046	Sat	CQ P 12	CW	(JPL-Sib)
3580	UM01	7-3	1049	Sat	CQ P 11	CW	(JPL-Sib)
3580	UM01	7-3	1053	Sat	CQ P 10	CW	(JPL-Sib)
3580	UM01	7-3	1057	Sat	CQ P 9	CW	(JPL-Sib)
3580	UM01	7-3	1104	Sat	CQ P 8	CW	(JPL-Sib)
3580	UM01	7-3	1117	Sat	CQ P 7	CW	(JPL-Sib)
3580	UM01	7-3	1437	Sat	CQ M 5	CW	(JPL-Sib)
3580	UM01	7-3	1520	Sat	CQ M 6	CW	(JPL-Sib)
3580	UM01	7-3	1911	Sat	CQ P 28	CW	(JPL-Sib)
3580	UM01	7-3	2256	Sat	CQ M 12	CW	(JPL-Sib)
3580	UM01	8-3	0153	Sun	CQ M 12	CW	(JPL-Sib)
3580	UM01	8-3	0220	Sun	CQ M 11	CW	(JPL-Sib)
3580	UM01	8-3	0819	Sun	CQ M 9	CW	(JPL-Sib)
3580	UM01	8-3	1217	Sun	CQ M 8	CW	(JPL-Sib)
3580	UM01	8-3	2205	Sun	CQ M 13	CW	(JPL-Sib)
3580	UM01	9-3	0155	Mon	CQ M 14	CW	(JPL-Sib)
3580	UM01	9-3	1054	Mon	CQ M 10	CW	(JPL-Sib)
3580	UM01	9-3	1316	Mon	CQ M 9	CW	(JPL-Sib)
3580	UM01	9-3	2044	Mon	CQ M 8	CW	(JPL-Sib)
3580	UM01	10-3	0146	Tue	CQ M 7	CW	(JPL-Sib)
3580	UM01	10-3	0215	Tue	CQ M 6	CW	(JPL-Sib)
3580	UM01	10-3	0916	Tue	CQ M 3	CW	(JPL-Sib)
3580	UM01	10-3	1646	Tue	CQ M 1	CW	(JPL-Sib)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
3580	UM01	10-3	1948	Tue	CQ M 1	CW	(JPL-Sib)
3580	UM01	11-3	1143	Wed	CQ M 1	CW	(JPL-Sib)
3580	UM01	11-3	1821	Wed	CQ M 2	CW	(JPL-Sib)
3580	UM01	12-3	0054	Thu	CQ M 2	CW	(JPL-Sib)
3580	UM01	12-3	0951	Thu	CQ M 2	CW	(JPL-Sib)
3580	UM01	12-3	1310	Thu	CQ M 1	CW	(JPL-Sib)
3580	UM01	12-3	1656	Thu	CQ M 2	CW	(JPL-Sib)
3580	UM01	13-3	0151	Fri	CQ M 2	CW	(JPL-Sib)
3580	UM01	13-3	1020	Fri	CQ M 2	CW	(JPL-Sib)
3580	UM01	13-3	1154	Fri	CQ M 2	CW	(JPL-Sib)
3580	UM01	13-3	2348	Fri	CQ M 3	CW	(JPL-Sib)
3580	UM01	15-3	1455	Sun	CQ M 3	CW	(JPL-Sib)
3580	UM01	15-3	2329	Sun	CQ M 3	CW	(JPL-Sib)
3580	UM01	16-3	0352	Mon	CQ M 4	CW	(JPL-Sib)
3580	UM01	16-3	1146	Mon	CQ M 3	CW	(JPL-Sib)
3580	UM01	17-3	1119	Tue	CQ M 4	CW	(JPL-Sib)
3580	UM01	20-3	1605	Fri	CQ M 3	CW	(JPL-Sib)
3580	UM01	20-3	1848	Fri	CQ M 3	CW	(JPL-Sib)
3580	UM01	23-3	0223	Mon	CQ P 1	CW	(JPL-Sib)
3580	UM01	23-3	1825	Mon	CQ P 1	CW	(JPL-Sib)
3580	UM01	24-3	1217	Tue	CQ P 2	CW	(JPL-Sib)
3580	UM01	24-3	1637	Tue	CQ P 2	CW	(JPL-Sib)
3860	UM01	24-3	1654	Tue	Unid 10-mins net: L6YC	CW	(JPL-Sib)
3207	UM01	24-3	1659	Tue	Unid 10-mins net: 7CJK	CW	(JPL-Sib)
3580	UM01	24-3	1718	Tue	CQ P 1	CW	(JPL-Sib)
3580	UM01	25-3	1806	Wed	CQ M 3	CW	(DSch)
3580	UM01	25-3	1935	Wed	CQ M 4	CW	(DSch)
3580	UM01	26-3	1923	Thu	CQ M 2	CW	(JPL-Sib)
3580	UM01	27-3	1210	Fri	CQ M 3	CW	(JPL-Sib)
3580	UM01	27-3	1333	Fri	CQ M 3	CW	(JPL-Sib)
3580	UM01	27-3	1927	Fri	CQ M 4	CW	(JPL-Sib)
3580	UM01	27-3	2213	Fri	CQ M 6	CW	(JPL-Sib)
3580	UM01	30-3	0947	Mon	CQ M 4	CW	(JPL-Sib)
3580	UM01	30-3	1559	Mon	CQ M 4	CW	(JPL-Sib)
3580	UM01	31-3	1700	Tue	CQ M 5	CW	(JPL-Sib)
3782	UM10	2-3	1230	Mon	Unid 10-mins net: VI4T	CW	(JPL-Sib)
3782	UM10	2-3	1630	Mon	Unid 10-mins net: VI4T //3281 kHz	CW	(JPL-Sib)
3281	UM10	2-3	1630	Mon	Unid 10-mins net: VI4T //3782 kHz	CW	(JPL-Sib)
3724	UM10	3-3	1658	Tue	Unid 10-mins net: 7CJK //3207 kHz	CW	(JPL-Sib)
3207	UM10	3-3	1658	Tue	Unid 10-mins net: 7CJK //3724 kHz	CW	(JPL-Sib)
3724	UM10	3-3	1929	Tue	Unid 10-mins net: 7CJK //3207 kHz	CW	(JPL-Sib)
3207	UM10	3-3	1929	Tue	Unid 10-mins net: 7CJK //3724 kHz	CW	(JPL-Sib)
3860	UM10	4-3	2205	Wed	Unid 10-mins net: L6YC	CW	(JPL-Sib)
3207	UM10	4-3	2224	Wed	Unid 10-mins net: 7CJK	CW	(JPL-Sib)
3860	UM10	9-3	2047	Mon	Unid 10-mins: L6YC //3207 kHz	CW	(JPL-Sib)
3207	UM10	9-3	2047	Mon	Unid 10-mins: L6YC //3860 kHz	CW	(JPL-Sib)
3860	UM10	10-3	1647	Tue	Unid 10-mins net: L6YC	CW	(JPL-Sib)
3860	UM10	12-3	1316	Thu	Unid 10-mins station: L6YC	CW	(JPL-Sib)
3724	UM10	12-3	1657	Thu	Unid 10-mins net: 7CJK	CW	(JPL-Sib)
3724	UM10	15-3	1456	Sun	Unid 10-mins net: 7CJK	CW	(JPL-Sib)
3860	UM10	17-3	1145	Tue	Unid 10-mins net: L6YC //3207 kHz	CW	(JPL-Sib)
3207	UM10	17-3	1145	Tue	Unid 10-mins net: L6YC //3860 kHz	CW	(JPL-Sib)
3207	UM10	20-3	1558	Fri	Unid 10-mins net: 7CJK	CW	(JPL-Sib)
3724	UM10	26-3	1924	Thu	Unid 10-mins station: 7CJK	CW	(JPL-Sib)
3860	UM10	30-3	1617	Mon	Unid 10-mins net: L6YC	CW	(JPL-Sib)
3860	UM10	31-3	1720	Tue	Unid 10-mins net: L6YC	CW	(JPL-Sib)
3207	UM10	31-3	1732	Tue	Unid 10-mins net: 7CJK	CW	(JPL-Sib)
8135	V02a	20-3	2300	Fri	YL/SS w/5F grps and Cuban cut nbrs in CW. Both at same time	AM	(DSch)
8009	V02a	23-3	2259	Mon	YL/SS with 5FGs mixing with M08a: UAGGA WUNAA RIWUN	AM	(DSch)
18074	V07	1-3	0100	Sun	883 883 883 000	USB	(Dan)
18074	V07	1-3	0100	Sun	883	USB	(HFD)
15874	V07	1-3	0120	Sun	883 0	USB	(HFD)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
15874	V07	1-3	0120	Sun	883 883 883 000	USB	(Dan)
18074	V07	8-3	0100	Sun	883 1 238 73 74302 15423 ... 42247 31833 97302 000 000	USB	(Dan)
15874	V07	8-3	0120	Sun	883 1 238 73 74302 15423 ... 42247 31833 97302 000 000	USB	(Dan)
14374	V07	8-3	0140	Sun	883 1 238 73 74302 15423 ... 42247 31833 97302 000 000	USB	(Dan)
18074	V07	15-3	0100	Sun	883 883 883 000	USB	(Dan)
15874	V07	15-3	0120	Sun	883 883 883 000	USB	(Dan)
18074	V07	22-3	0100	Sun	883 883 883 000	USB	(Dan)
15874	V07	22-3	0120	Sun	883 883 883 000	USB	(Dan)
18074	V07	29-3	0100	Sun	883 883 883 000	USB	(Dan)
15874	V07	29-3	0120	Sun	883 883 883 000	USB	(Dan)
15388	V13	9-3	0200	Mon	New Star #1	AM	(AB-HK)
15388	V13	9-3	0300	Mon	New Star #1	AM	(AB-HK)
11430	V13	10-3	0700	Tue	New Star #4. Tune followed by Chinese coded message	AM	(AB-HK)
9153	V26	29-3	1356	Sun	Chinese numbers station //4283, 7553, 9153 kHz	AM	(Token)
4283	V26	29-3	1356	Sun	Chinese numbers station //4283, 7553, 9153 kHz	AM	(Token)
7553	V26	29-3	1356	Sun	Chinese numbers station //4283, 7553, 9153 kHz	AM	(Token)
5740	VC01	27-3	1627	Fri	Chinese Robot	LSB	(AB-HK/JPL-HK)
18750	X06	2-3	0827	Mon	Mazielka. Sequence: 641523	USB	(Danix)
18523	X06	3-3	1145	Tue	Mazielka. Sequence: 325614	USB	(Danix)
20655	X06	3-3	1203	Tue	Mazielka. Sequence: 325614	USB	(Danix)
12155	X06	4-3	0729	Wed	Mazielka. Sequence: 256341	USB	(Danix)
17470	X06	8-3	1111	Sun	Mazielka. Sequence: 216354.	USB	(Danix)
17470	X06	8-3	1117	Sun	Mazielka. Sequence: 216354	USB	(Danix)
9289	X06	13-3	0725	Fri	Mazielka. Sequence: 356412	USB	(AAI)
17430	X06	18-3	0940	Wed	Mazielka. Sequence: 214356	USB	(BCI)
9163	X06	29-3	1747	Sun	Mazielka. Sequence: 145623	USB	(Nico)
18670	X06b	2-3	0857	Mon	Mazielka	USB	(Danix)
9362	XPA	12-3	1900	Thu	msg	MFSK-20/10Bd	(HFD)
8062	XPA	12-3	1920	Thu	msg	MFSK-20/10Bd	(HFD)
7462	XPA	12-3	1940	Thu	msg	MFSK-20/10Bd	(HFD)
11409	XPA	14-3	0700	Sat	msg	MFSK-20/10Bd	(HFD)
11409	XPA	14-3	0700	Sat	456 456 456 000 07946 00001 00000 10140	MFSK-16/201Bd	(AB)
13509	XPA	14-3	0720	Sat	msg	MFSK-20/10Bd	(HFD)
13509	XPA	14-3	0720	Sat	456 456 456 000 07946 00001 00000 10140	MFSK-16/201Bd	(AB)
14609	XPA	14-3	0740	Sat	msg	MFSK-20/10Bd	(HFD)
11409	XPA	18-3	0700	Wed	456 456 456 1 02977 00245 63200 41002 ... 77432 29811 56001	MFSK-20/10Bd	(AB)
13509	XPA	18-3	0720	Wed	456 456 456 1 02977 00245 63200 41002 ... 77432 29811 56001	MFSK-20/10Bd	(AB)
14609	XPA	18-3	0740	Wed	456 456 456 1 02977 00245 63200 41002 ... 77432 29811 56001	MFSK-20/10Bd	(AB)
14609	XPA	25-3	0700	Wed	456 456 456 000 02232 00001 00000 101404	MFSK-20/10Bd	(AB)
11409	XPA	25-3	0700	Wed	456 456 456 000 02232 00001 00000 10140	MFSK-20/10Bd	(AB)
13509	XPA	25-3	0720	Wed	456 456 456 000 02232 00001 00000 10140	MFSK-20/10Bd	(AB)
11409	XPA	28-3	0700	Sat	456 456 456 000 07385 00001 00000 10140	MFSK-20/10Bd	(AB)
13509	XPA	28-3	0720	Sat	456 456 456 000 07385 00001 00000 10140	MFSK-20/10Bd	(AB)
14609	XPA	28-3	0740	Sat	456 456 456 000 07385 00001 00000 10140	MFSK-20/10Bd	(AB)
9362	XPA	31-3	1800	Tue	304 304 304 000 01096 00001 00000 10140	MFSK-20/10bd	(AB/MPJ)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
8062	XPA	31-3	1820	Tue	304 304 304 000 01096 00001 00000 10140	MFSK-20/10bd	(AB)
7462	XPA	31-3	1840	Tue	304 304 304 000 01096 00001 00000 10140	MFSK-20/10bd	(AB/MPJ)
16138	XPA2	1-3	1500	Sun	02517 00080 73311 ... 83270 74429 03323	MFSK-16/20Bd	(AB)
14438	XPA2	1-3	1520	Sun	02517 00080 73311 ... 83270 74429 03323	MFSK-16/20Bd	(AB)
13438	XPA2	1-3	1540	Sun	02517 00080 73311 ... 83270 74429 03323	MFSK-16/20Bd	(AB)
15956	XPA2	2-3	0800	Mon	08331 00001 00000 10140	MFSK-16/20Bd	(AB)
14956	XPA2	2-3	0820	Mon	08331 00001 00000 10140	MFSK-16/20Bd	(AB)
16138	XPA2	3-3	1500	Tue	msg	MFSK-16/20Bd	(HFD)
14438	XPA2	3-3	1520	Tue	msg	MFSK-16/20Bd	(HFD)
13438	XPA2	3-3	1540	Tue	msg	MFSK-16/20Bd	(HFD)
18667	XPA2	6-3	1400	Fri	msg	MFSK-16/20Bd	(HFD)
17419	XPA2	6-3	1420	Fri	msg	MFSK-16/20Bd	(HFD)
16212	XPA2	6-3	1440	Fri	msg	MFSK-16/20Bd	(HFD)
18667	XPA2	7-3	1400	Sat	03059 00001 00000 10140	MFSK-16/20bd	(MPJ)
17419	XPA2	7-3	1420	Sat	2248 00000 00000 00033. Corrupt	MFSK-16/20bd	(MPJ)
15956	XPA2	9-3	0800	Mon	msg	MFSK-16/20Bd	(HFD)
14956	XPA2	9-3	0820	Mon	msg	MFSK-16/20Bd	(HFD)
13956	XPA2	9-3	0840	Mon	msg	MFSK-16/20Bd	(HFD)
16212	XPA2	13-3	1440	Fri	00976 00071 74746 37973 96251 ... 56566 38859 31111 82427 51302	MFSK-16/20	(MPJ)
15956	XPA2	18-3	0800	Wed	09364 00001 00000 10140	MFSK-16/20Bd	(AB)
14956	XPA2	18-3	0820	Wed	09364 00001 00000 10140	MFSK-16/20Bd	(AB)
13956	XPA2	18-3	0840	Wed	09364 00001 00000 10140	MFSK-16/20Bd	(AB)
16956	XPA2	23-3	0800	Mon	02759 00001 00000 10140	MFSK-16/20Bd	(AB)
14956	XPA2	23-3	0820	Mon	02759 00001 00000 10140	MFSK-16/20Bd	(AB)
13956	XPA2	23-3	0840	Mon	02759 00001 00000 10140	MFSK-16/20Bd	(AB)
15956	XPA2	25-3	0800	Wed	06403 00000 00000 00030	MFSK 16/20Bd	(AB)
14956	XPA2	25-3	0820	Wed	06403 00000 00000 00030	MFSK 16/20Bd	(AB)
13956	XPA2	25-3	0840	Wed	06403 00000 00000 00030	MFSK 16/20Bd	(AB)
18667	XPA2	27-3	1400	Fri	09582 00001 00000 10140	MFSK-16/20Bd	(MPJ)
17419	XPA2	27-3	1420	Fri	09582 00001 00000 10140	MFSK-16/20Bd	(MPJ)
16212	XPA2	27-3	1440	Fri	09582 00001 00000 10140	MFSK-16/20Bd	(MPJ)
16138	XPA2	29-3	1500	Sun	09398 00113 31476 ... 53528 87736 23060	MFSK-16/20Bd	(AB)
14438	XPA2	29-3	1520	Sun	09398 00113 31476 ... 53528 87736 23060	MFSK-16/20Bd	(AB)
13438	XPA2	29-3	1540	Sun	09398 00113 31476 ... 53528 87736 23060	MFSK-16/20Bd	(AB)
16138	XPA2	31-3	1500	Tue	09398 00113 31476 14074 52151 ... 63246 94630 53528 87736 23060	MFSK-16/20Bd	(MPJ)

Freq.	Code	Date	UTC	Day	Remarks	Mode	contributor
13438	XPA2	31-3	1540	Tue	09398 00113 31476 14074 52151 ... 63246 94630 53528 87736 23060	MFSK-16/20Bd	(MPJ)
8588	XSL	9-3	2025	Mon	Japanese Slot Machine	QPSK 1500	(AAI)

CONTRIBUTORS

AAI	Antonio Anselmi, Italy	kb7wox	kb7wox
AB	Ary Boender, Netherlands	KC2TTK	KC2TTK, NY, USA
AB-HK	Ary Boender via remote rx Hong Kong	linkz	Linkz, S.E. France
Arg	Argonn (via Priyom)	MCO	Mike Chace-Ortiz, PA, USA
BCI	Bruno Casula, Italy	MPJ	Jim, SW England
Dan	Daniel, Argentina	N2UHC	N2UHC
Danix	Danix111, Poland	NH2	Nige, UK
DSch	Don Schimmel, USA	Nico	Nico, near Paris, France
EW	Eddy Waters, Australia	Priyom	Priyom.org
Faux	Faux, Ireland	RJMH	RJM Hutch
GHn	Gary Hagermann, UK	RP-MD	Ron, MD, USA
HFD	Hans-Friedrich Dumrese, Germany	TJ	Trond Jacobsen, Norway
JPL	JPL, Ontario, Canada	Token	T!, CA, USA
JPL-HK	JPL via remote rx Hong Kong	Tom	Tom, Lincs, UK
JPL-Sib	JPL via remote rx Siberia	WP3	Wolfgang Palmberger

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